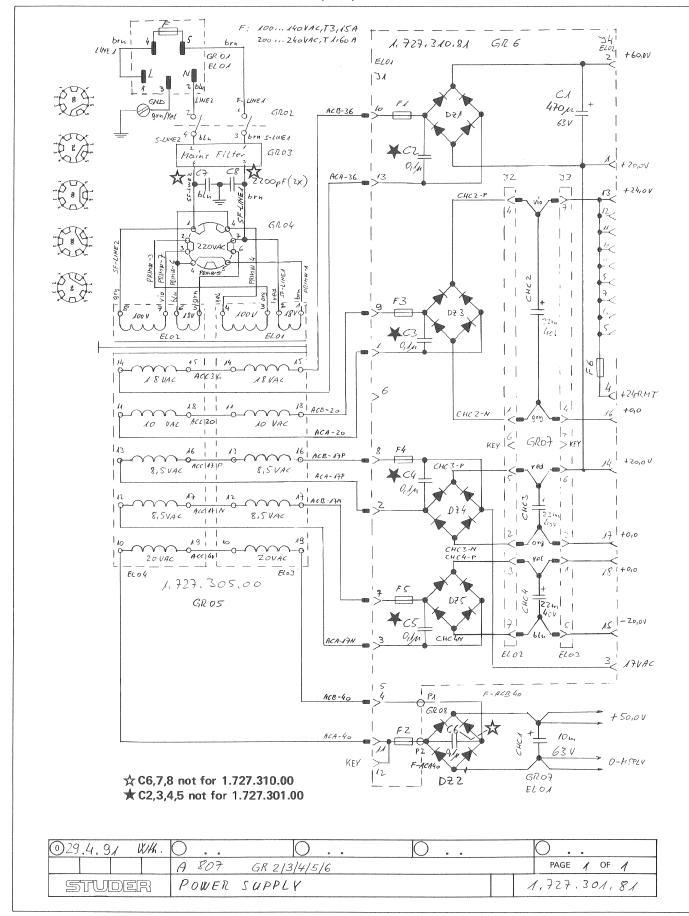
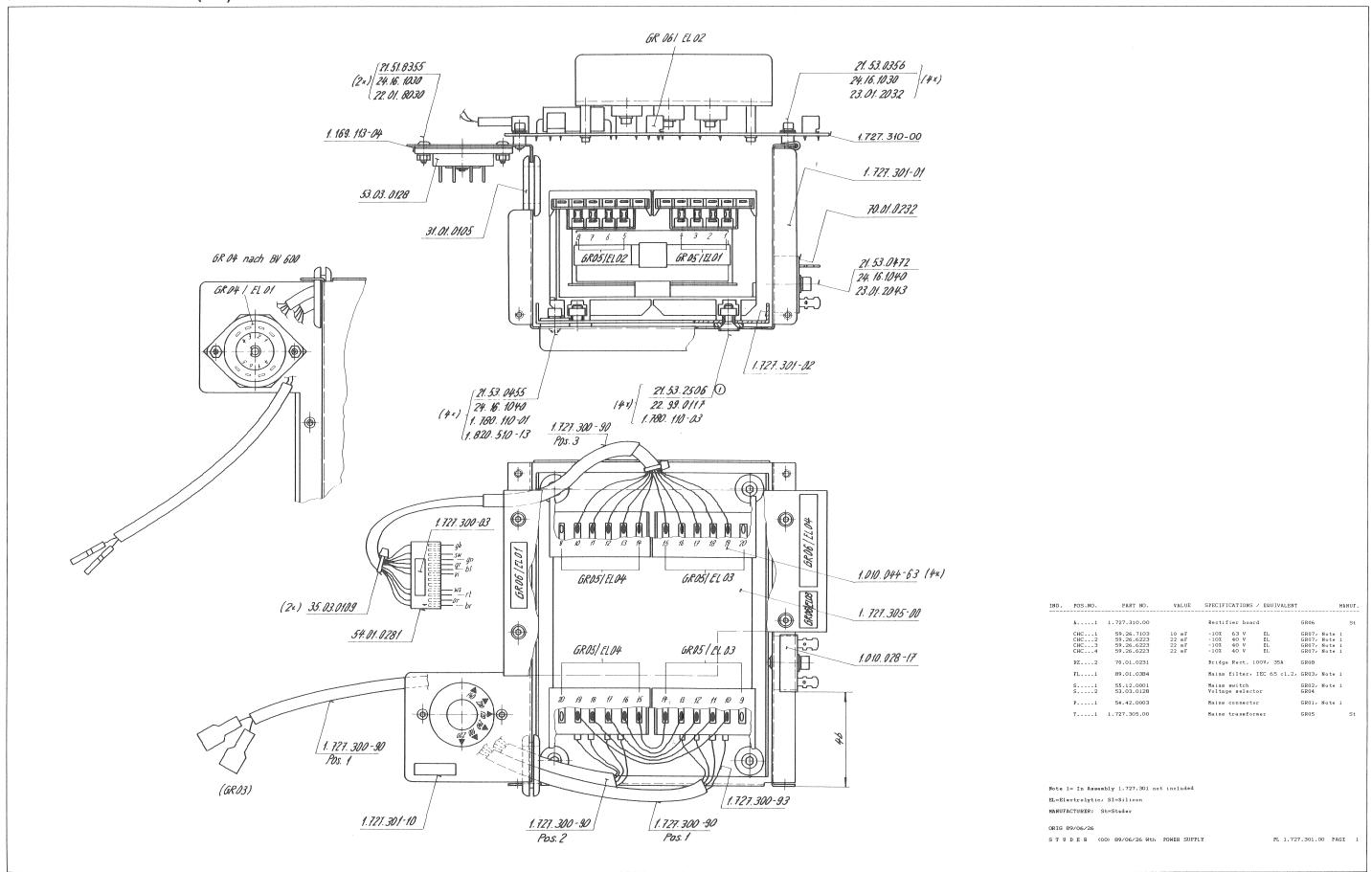
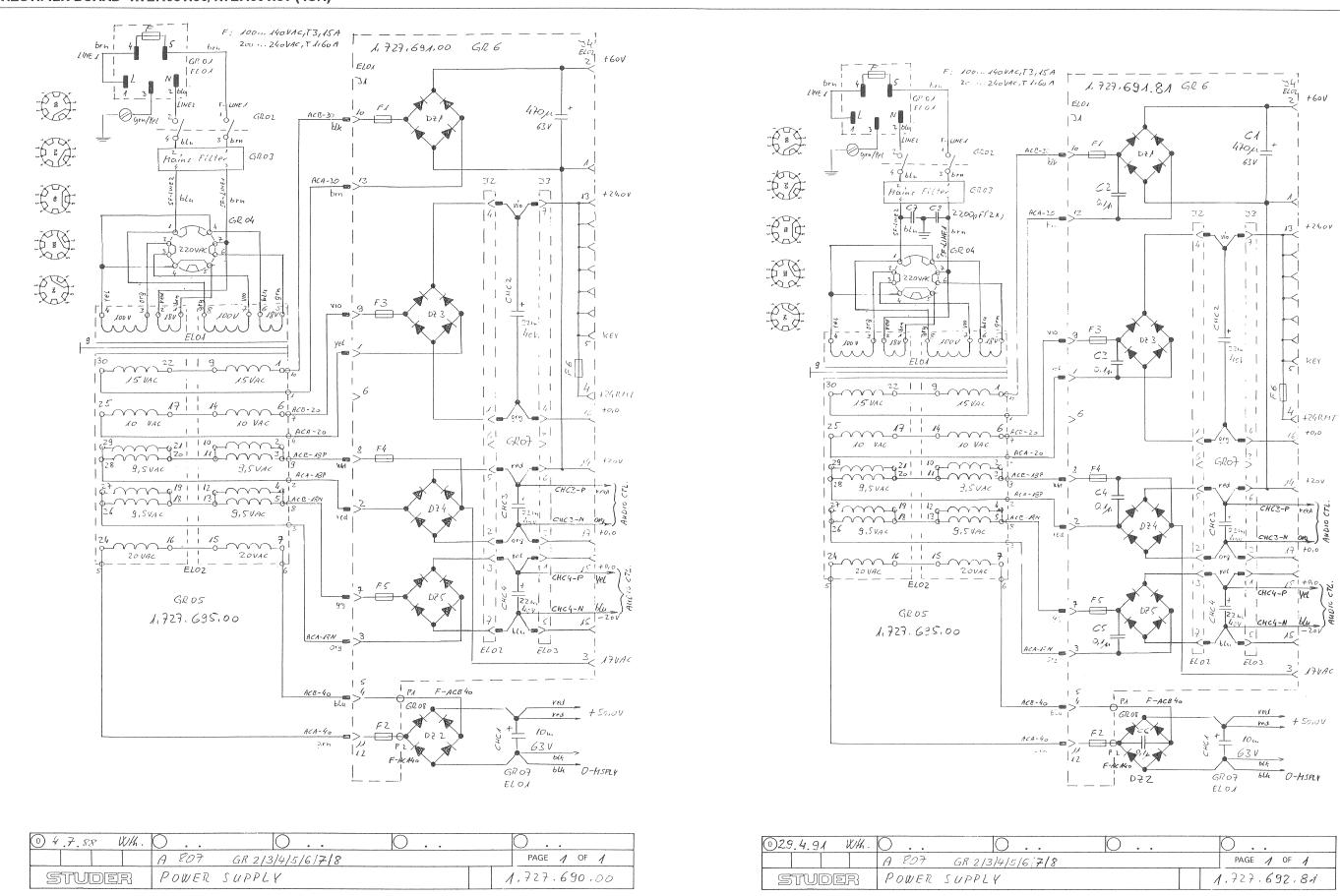
POWER SUPPLY 1.727.301.00/1.727.301.81 (2CH) -RECTIFIER BOARD 1.727.310.00/1.727.310.81 (2CH)



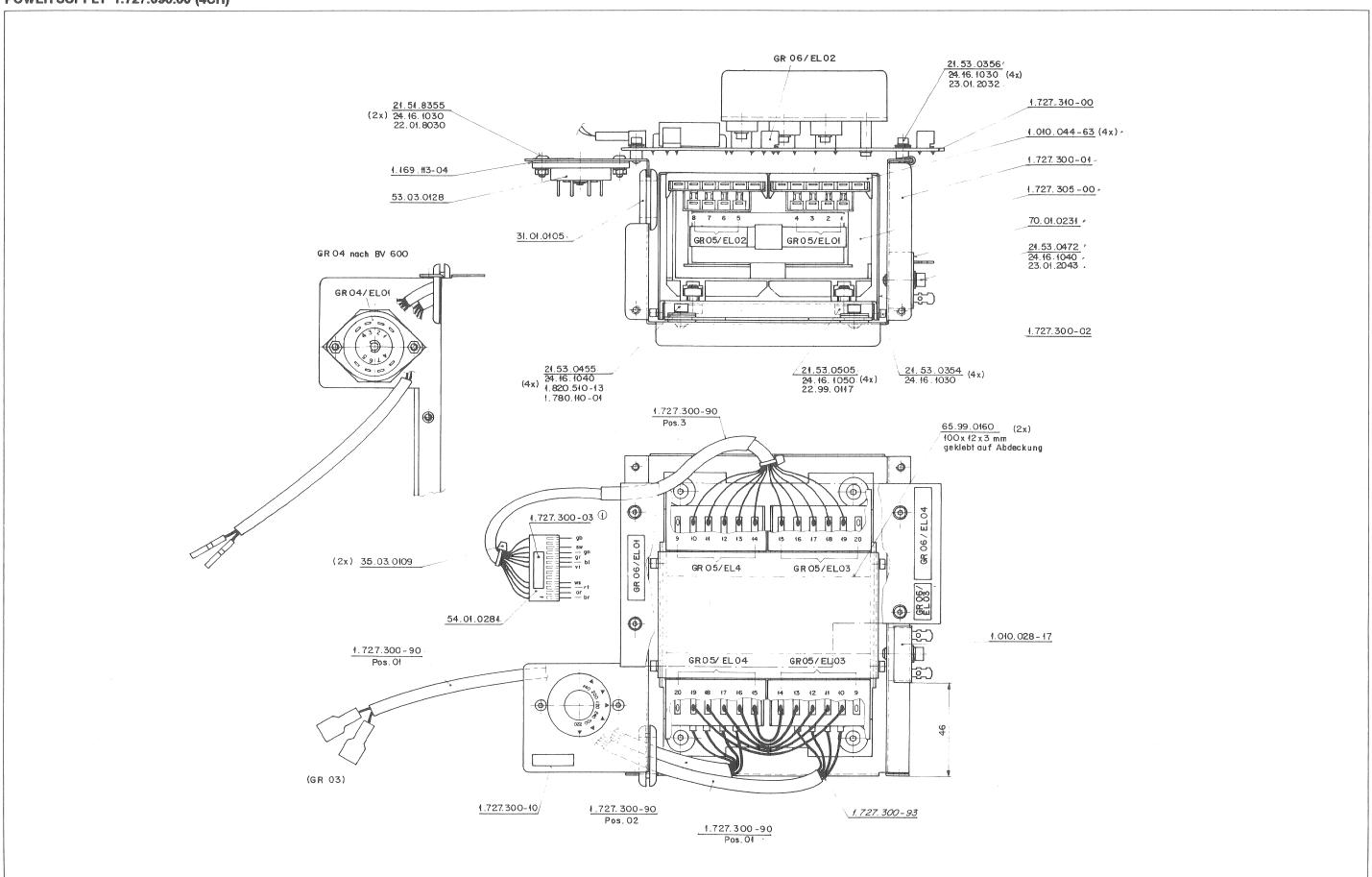
POWER SUPPLY 1.727.301.00 (2CH)



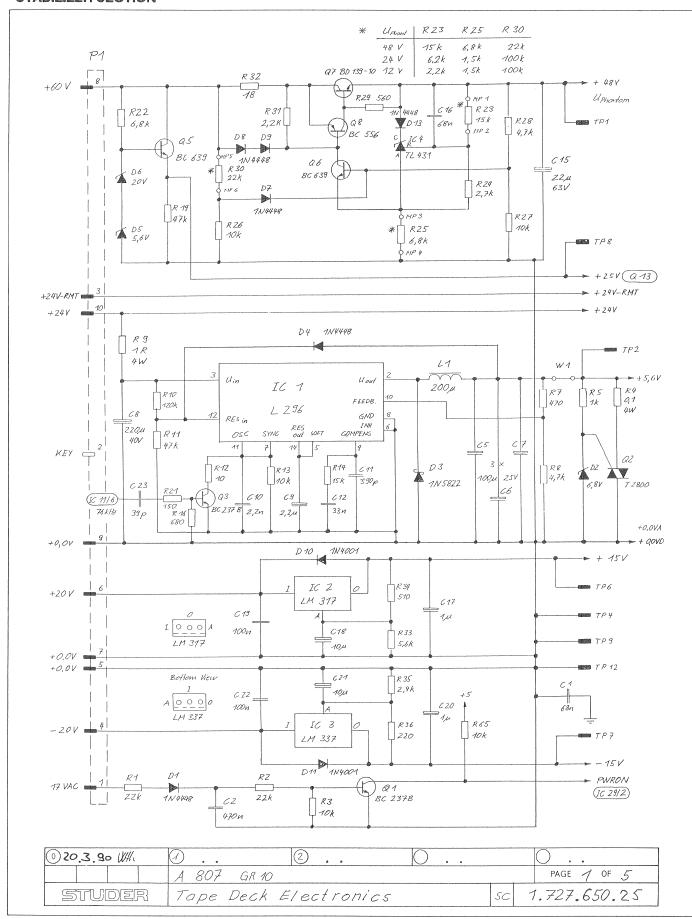
POWER SUPPLY 1.727.690.00/1.727.692.81 (4CH) -RECTIFIER BOARD 1.727.691.00/1.727.691.81 (4CH)

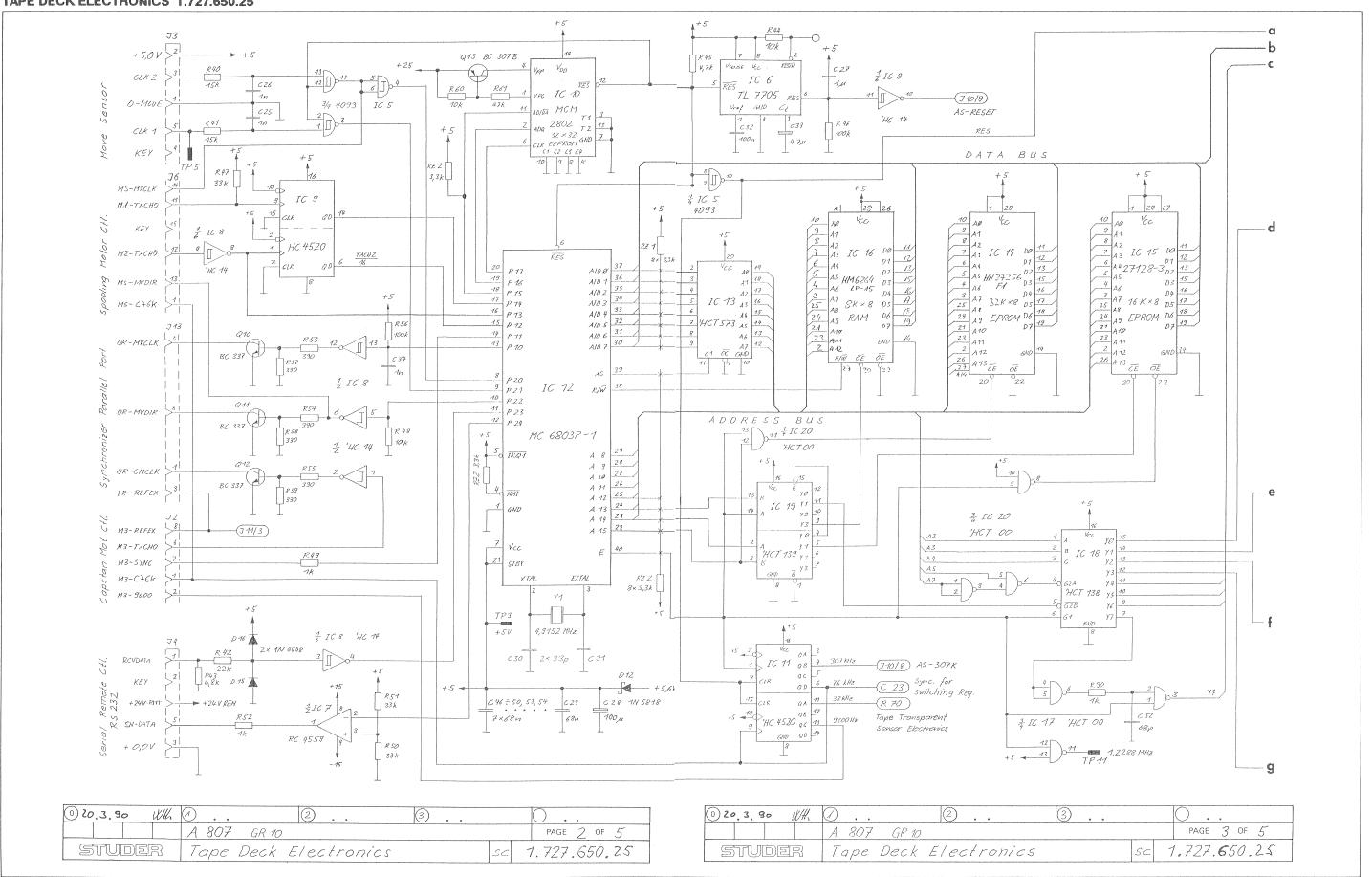


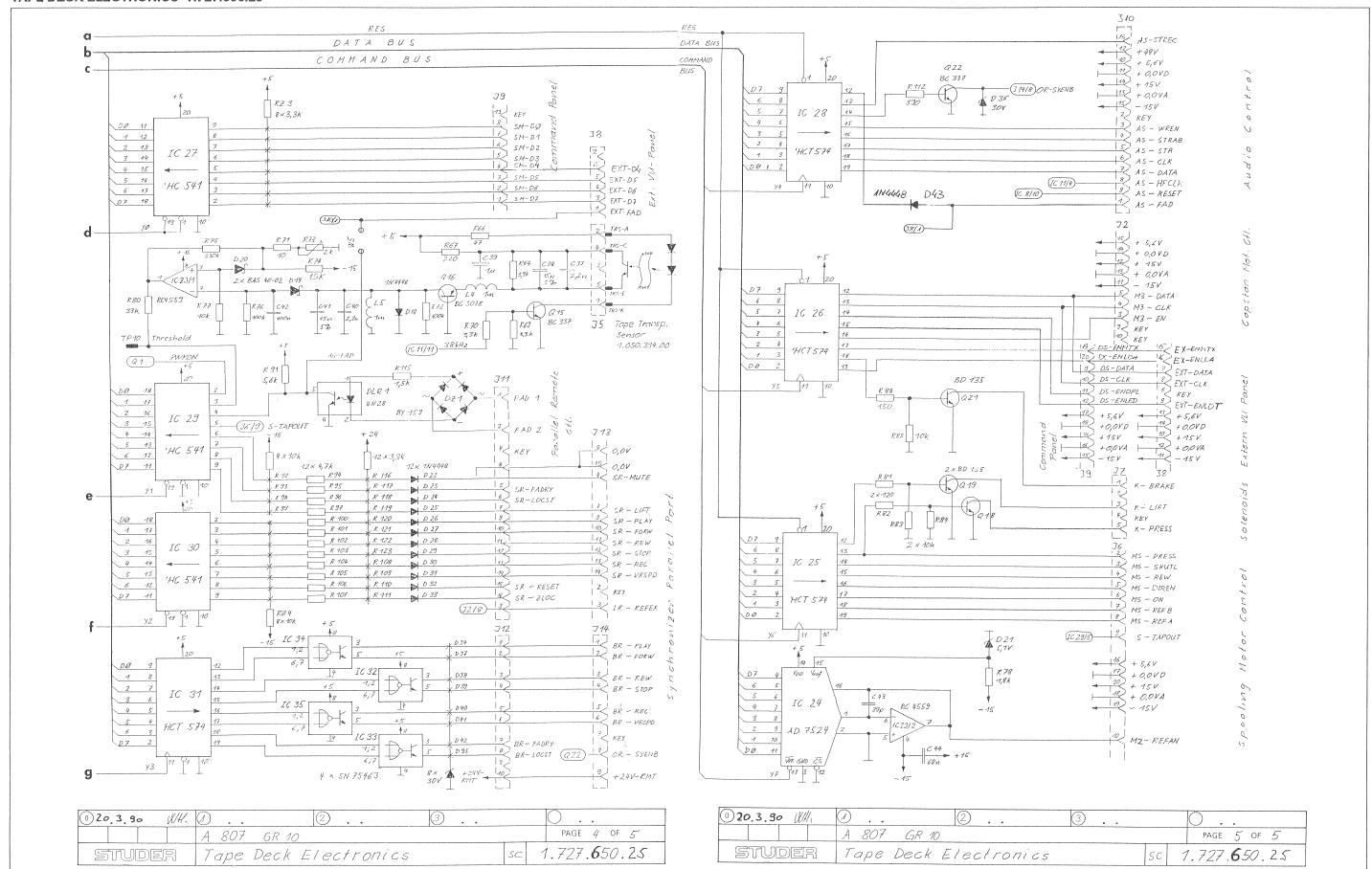
POWER SUPPLY 1.727.690.00 (4CH)

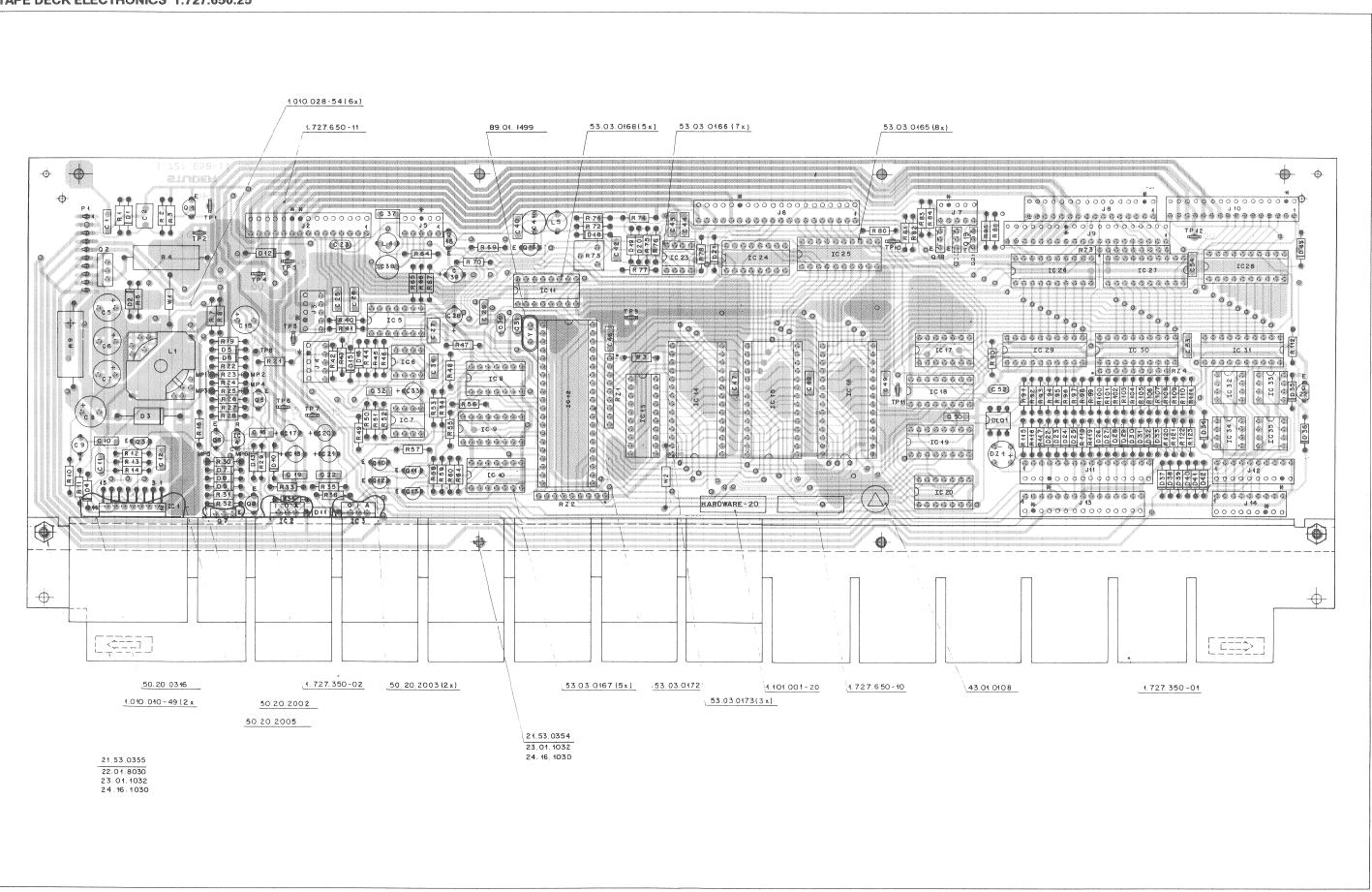


TAPE DECK ELECTRONICS 1.727.650.25 -STABILIZER SECTION



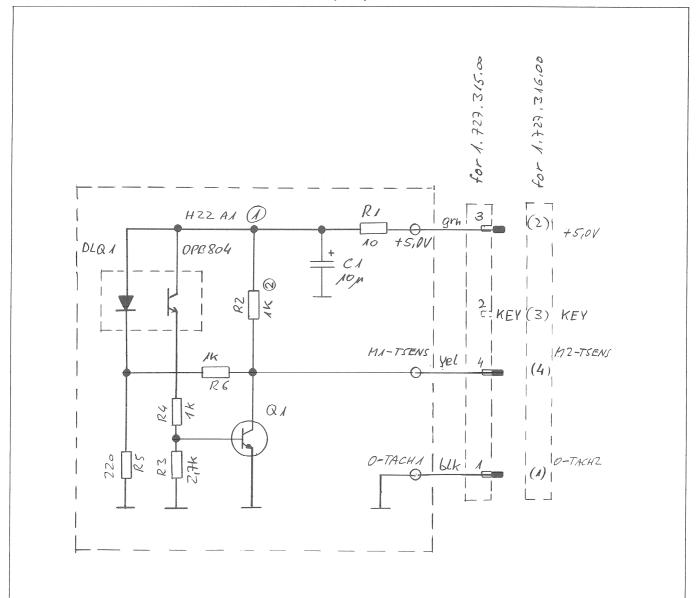






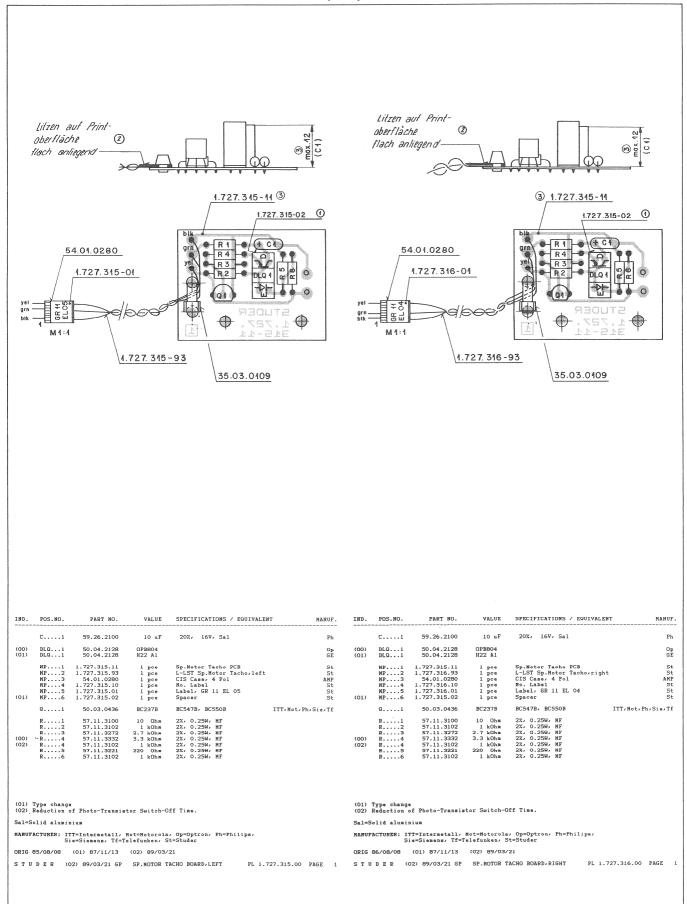
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT NANUF.	IND. POS.	D. PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT HAN
C	59. 06. 0474 59. 22. 5101 59. 22. 5101 59. 22. 5101 59. 22. 6221 59. 62. 6222 59. 66. 6323 59. 66. 6333 59. 92. 8222 59. 66. 6333 59. 92. 8220 59. 66. 6333 59. 92. 8220 59. 66. 6033 59. 92. 8100 59. 66. 6100 59. 66. 6100 59. 66. 6100 59. 66. 6100 59. 66. 6100 59. 66. 6100 59. 66. 6100 59. 72. 8100 59. 78. 8100 59. 7	69 nF 4 100 nF 10 nF 100 nF 10	10% 63 V PETP -20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 36 V PETP -50 V EL -20% 36 V PETP -50 V EL -20% 36 V PETP -50 V EL -20% 36 V PETP -20% 56 V PETP -20		232 \$0.09.0107 245 \$0.07.0002 255 \$0.17.0574 261 \$0.17.0574 262 \$0.17.0574 262 \$0.17.0574 263 \$0.17.0574 264 \$0.17.0574 265 \$0.17.0574 265 \$0.17.0574 265 \$0.17.0574 265 \$0.17.0574 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.05.0203 265 \$0.003	RC 4559 AD 75243NN 74 HCT574 74 HCT574 74 HC 541 74 HC 541 74 HC 541 74 HC 541 75 HC 541 75 HC 541 76 HC 541 76 HC 541 77 HC 541 77 HC 541 77 HC 541 78 N 75463P SN 75463P SN 75463P SN 75463P SN 75463P 15 Pole 15 Pole 16 Pole 17 Pole 18 Pole 19 Pole 19 Pole 19 Pole 10 Pole 11 H 1 H 1	CIS Socket Strip RIS Socket Strip Filter Coil RF Choke 10% RF Choke 10% Wrap Pin Rrap Pin Rrap Pin Rrap Pin Rrap Fin	TII TII TII TII AMP	R 36 R 41 R 42 R 43 R 44 R 45 R 46 R 47 R 48 R 49 R 50 R 51 R 52 R 53 R 54 R 55 R 55 R 56 R 57 R 58 R 59 R 56 R 57 R 56 R 57 R 58 R 59 R 59 R 50 R 50 R 50 R 50 R 51 R 55 R 56 R 57 R 58 R 59 R 59 R 50 R 50 R 50 R 51 R 55 R 56 R 57 R 59 R 59 R 59 R 50 R 50 R 51 R 52 R 50 R 70 R	57.11. 3221 57.11. 3153 57.11. 3153 57.11. 3163 57.11. 3223 57.11. 3103 57. 11. 3103 57. 11. 3104 57. 11. 3103 57. 11. 3104 57. 11. 3105 57. 11. 3104 57. 11. 3105 57. 11. 3104 57. 11. 3105 57. 11. 3105 57. 11. 3104 57. 11. 3105 57. 11. 3106 57. 11. 3106 57. 11. 3106 57. 11. 3106 57. 11. 3106 57. 11. 3106 57. 11. 3106	220 Ohm 15 kOhn 15 kOhn 22 kOhn 6.8 kOhn 10 kOhn 10 kOhn 10 kOhn 33 kOhn 11 kOhn 33 kOhn 11 kOhn 33 kOhn 11 kOhn 33 kOhn 12 kOhn 34 kOhn 13 kOhn 14 kOhn 36 Ohn 370 Oh	1X: 0.25W, MF	XIC. 17 XIC. 18 XIC. 19 XIC. 19 XIC. 19 XIC. 24 XIC. 25 XIC. 26 XIC. 26 XIC. 27 XIC. 28 XIC. 28 XIC. 31 XIC. 31 XIC. 31 XIC. 31 XIC. 34 XIC. 35 XIC. 36 XIC. 37	53.03.0167 53.03.0168 53.03.0167 53.03.0167 53.03.0168 53.03.0165 53.03.0165 53.03.0165 53.03.0165 53.03.0165 53.03.0166 53.03.0166 63.03.0166 63.03.0166 69.01.0560		IC Socket IC Soc
IND. POS. NO. C	59. 06. 0683 59. 06. 0683 59. 06. 0683 59. 06. 0683 59. 04. 0683 59. 06. 0683 59. 06. 0683 59. 06. 0683 59. 06. 0683 50. 04. 0125	68 nf 18448 nf 68 nf 18448 nf 68 nf 18448 nf 68	SPECIFICATIONS / EQUIVALENT HANUF. 10% 63 V FETP 50 V	NP	5 1.010.028.54 6 1.010.028.54 7 1.727.550.11 9 1.727.350.02 9 1.50.20.336 2 56.20.2003 3 50.20.2003 4 50.20.2003 4 50.20.2003 4 50.20.2003 4 50.20.2003 6 21.53.0354 6 21.53.0354 6 21.53.0354 6 21.53.0354 6 21.53.0354 7 21.53.0354 6 21.53.0354 6 21.53.0354 7 21.53.0354 7 22.01.8030 1 54.01.0320 1 50.03.03636 5 50.03.0351 7 50.03.0436 5 50.03.0551 7 50.03.0436 5 50.03.0551 7 50.03.0436 5 50.03.0551 7 50.03.0436 5 50.03.0551 7 50.03.0436 5 50.03.0551	1 Pole 1 Pole 1 Pole 1 poe 1 pce 1 pce 1 pce 2 pcs 2 pcs 2 pcs 2 pcs 4 pcs 4 pcs 2 pcs 1 pce 2 pcs 5 pcs 6 pcs 6 pcs 7 pcs 1 pce 1 pce 1 pce 1 pce 1 pcs 1 p	SPECIFICATIONS / EQUIVALENT Grap Pin PC Board Heataink Thermoplastic for SOT 93 Mounting clip TO 126 Mounting clip TO 200 Mounting clip TO 200 Mounting clip SOT 93 act used sot used MS A 6 Hexagon socket head cap washer D3.2/5.5 No. label Text label SEE warning label sot used MB C15 Pin Strip BC547B, BC550B NPN BT 138-500, 400V, BA, TRIAC BC547B, BC550B NPN BC547B, BC550B NPN	St St St RCA, Ph Mot, Ph Mot, Ph	IND. POS.NO. R80 R81 R82 R83 R85 R95 R95 R97 R92 R93 R94 R96 R97 R97 R97 R97 R99 R97 R99 R99 R99 R99 R99 R99 R100 R101 R102 R106 R106 R106 R107 R106 R107 R108 R107 R108 R107 R108 R109 R111 R111 R111 R111 R111 R111 R111	PART NO. 57.11.3933 57.11.3121 57.11.3103	33 kOhm 120 Cha 120 Cha 120 Cha 10 kCha 10 kCha 11 kCha 11 kCha 11 kCha 11 kCha 10 kCha 4.7 kC	SPECIFICATIONS / EQUIVALENT NANUF. 1.X. 0.25M, MF	(28.06.89) SM (08.02.90) SM (12.04.90) SM (13.05.91) SM (13.05.91) SM Note 1 Varia U (V 48 24 12 EL = Electrol HF = Hetal Fi MANUFACTURER:	ABO7 MP 16-90. S ABO7 MP 15-90. S ABO7 MP 16-90. S ABO7 M	ioftware corr WW Extension W Extension W Extension We Ext	For ZCR PBO Broadcast for Audio Remote, TC, Synchronizer tensions 1: R 30 (Ohm) 1: 22 k 1: 100 k 1: 100 k PP = Polypropylene Ra = Raytheon RCA = Radio Corp. of Am. SSGS = SSS/Ates Sie = Siemens St = Studer TI = Texas Instruments
D31 D32 D33 D34 D35 D36 D36 D37 D36 D37 D38 D36 D37 D39 D40 D41 D42 D43 D43 D41 D42 D43 D44 D45 D46 D47 D48 D49 D41 D41 D42 D41 D42 D41 D42 D41 D42 D43 D44 D45 D46 D46 D47 D47 D48 D48 D49 D.	50.04.0125 50.04.0125 50.04.0125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.04.1125 50.09.0125 50.10.0100 50.100	184448 184448 184448 184448 184448 180 V 30 V 3	SPECIFICATIONS / EQUIVALENT MANUF. 50 V 50	IND. POS.N. C C C C C C C	5 50.03.0340 6 50.03.0515 8 9 50.03.0478 8 9 50.03.0478 12 50.03.0347 12 50.03.0347 13 57.11.3223 2 57.11.3223 2 57.11.3103 5 57.11.3103 5 57.11.3103 1 57.11.3103	BC 337-25 BC 307 B BD 135-10 BD 135-10 BD 135-10 BC 337-25 22 kOhn 10 kOhn 1 kOhn 1 kOhn 1 kOhn 1 kOhn 1 kOhn 10 kOhn 17 kOhn 16 kOhn 17 kOhn 18 kOhn 17 kOhn 18 kOhn 19 kOhn 10 kOhn 17 kOhn 10 kOhn 10 kOhn 10 kOhn 17 kOhn 18 kOhn 19 kOhn 10 kOhn 10 kOhn 10 kOhn 11 kOhn 11 kOhn 11 kOhn 12 kOhn 12 kOhn 13 kOhn 14 kOhn 15 kOhn 16 kOhn 17 kOhn 18 kOhn 18 kOhn 19 kOhn 10 kOhn 10 kOhn 10 kOhn 11 kOhn 11 kOhn 11 kOhn 12 kOhn 12 kOhn 13 kOhn 14 kOhn 15 kOhn 16 kOhn 17 kOhn 17 kOhn 18 kOhn 18 kOhn 19 kOhn 19 kOhn 10 kOhn	SPECIFICATIONS / EQUIVALENT BC557B, BC560B NPN NP	MANUF.	IND. POS.NO. R 122 R 123 RZ	57. 88. 4332 57. 88. 4332 57. 88. 4332 57. 88. 4312 57. 89. 4103 54. 02. 0320 54. 02. 0320 57. 11. 3000 57. 11. 3000 57	3.3 kOhm 3.4 look 1 Pole 2 Pole 6 Pole 14 Pole 16 Pole 16 Pole 16 Pole 16 Pole 17 Pole 18 Pole 19 Pole 19 Pole 20 Pole	SPECIFICATIONS / EQUIVALENT NAMUF. 1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF 5%, Single Line 7ab				

SPOOLING MOTOR TACHO LEFT 1.727.315.00 (4CH) -SPOOLING MOTOR TACHO RIGHT 1.727.316.00 (4CH)

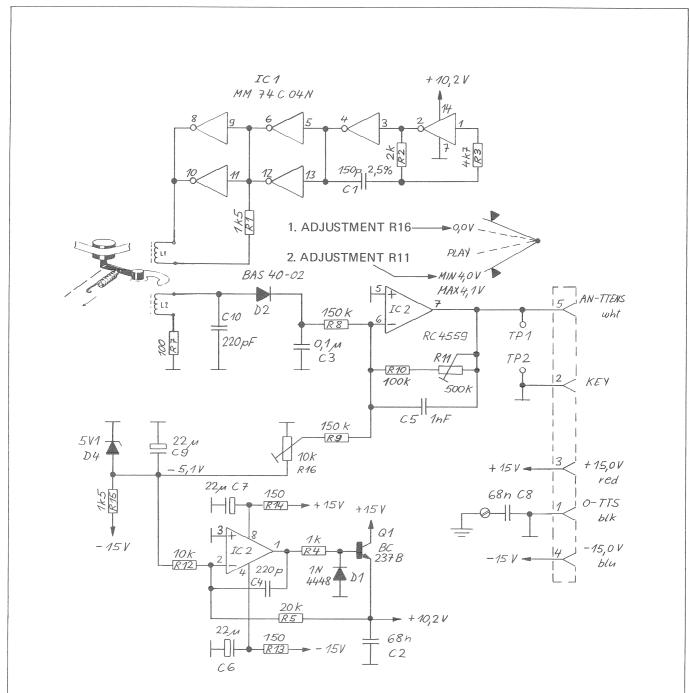


004.11.86 WH	(1) 13.11.87 WH (2) 21.3.89 GP ()	0
	A 807	PAGE / OF /
STUDER	SPOOLING MOTOR TACHO LEFT	1.727, 315.00
	RIGHT	1,727,316,00

SPOOLING MOTOR TACHO LEFT 1.727.315.00 (4CH) -SPOOLING MOTOR TACHO RIGHT 1.727.316.00 (4CH)



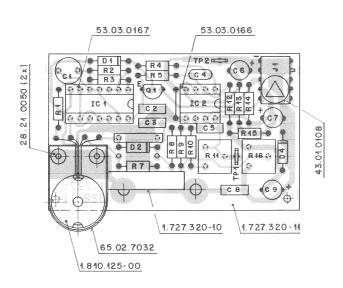
TAPE TENSION SENSOR 1.727.320.00



TP1=TAPE TENSON CONTROL VOLTAGE (+4V-0V) TP2=0V

① 20.11.85 GP	① 29.10.86 GP O O	0
	A 807 GR13	PAGE 1 OF 1
STUDER	TAPE TENSION SENSOR BOARD SC 1.	727.320.00

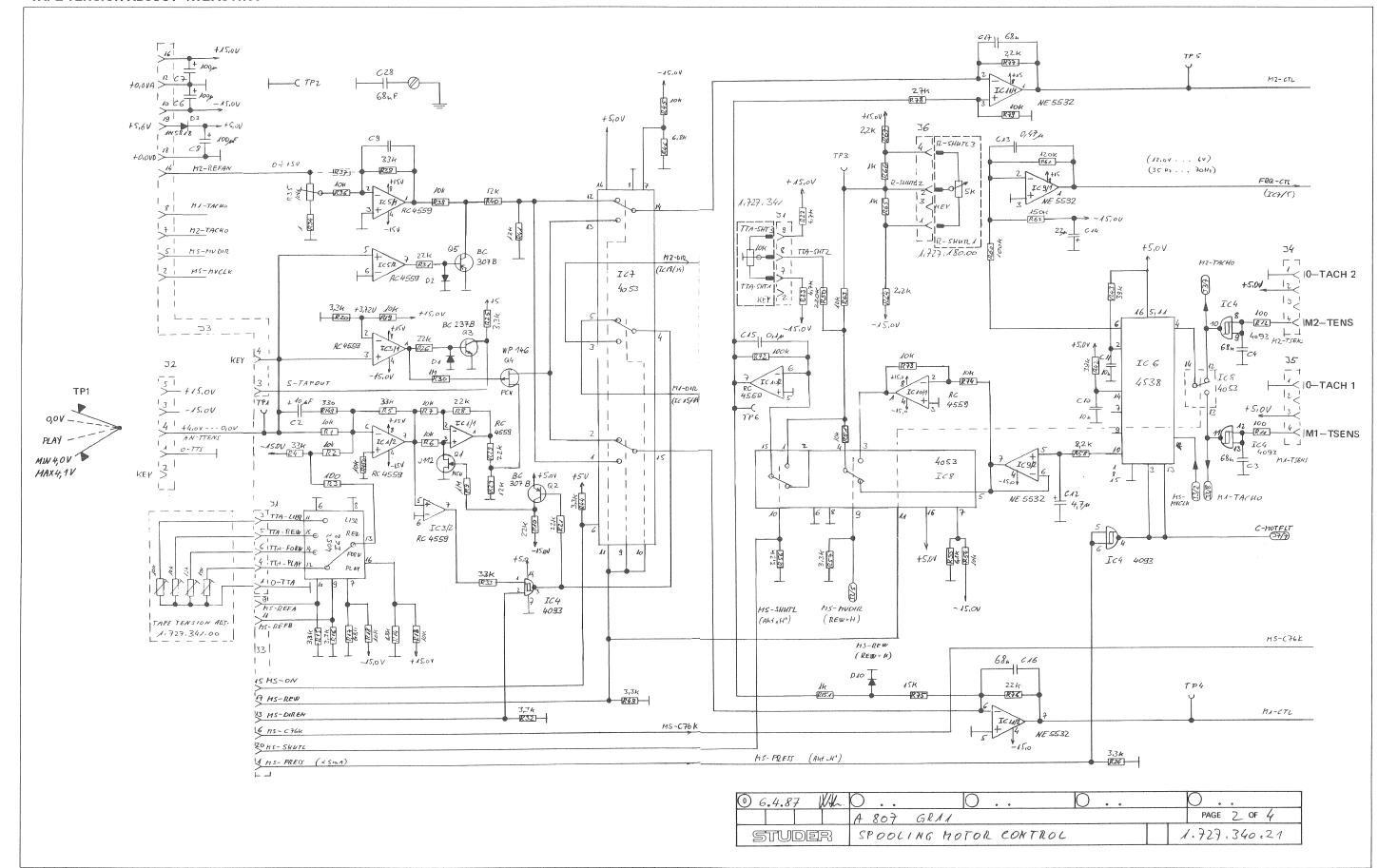
TAPE TENSION SENSOR 1.727.320.00



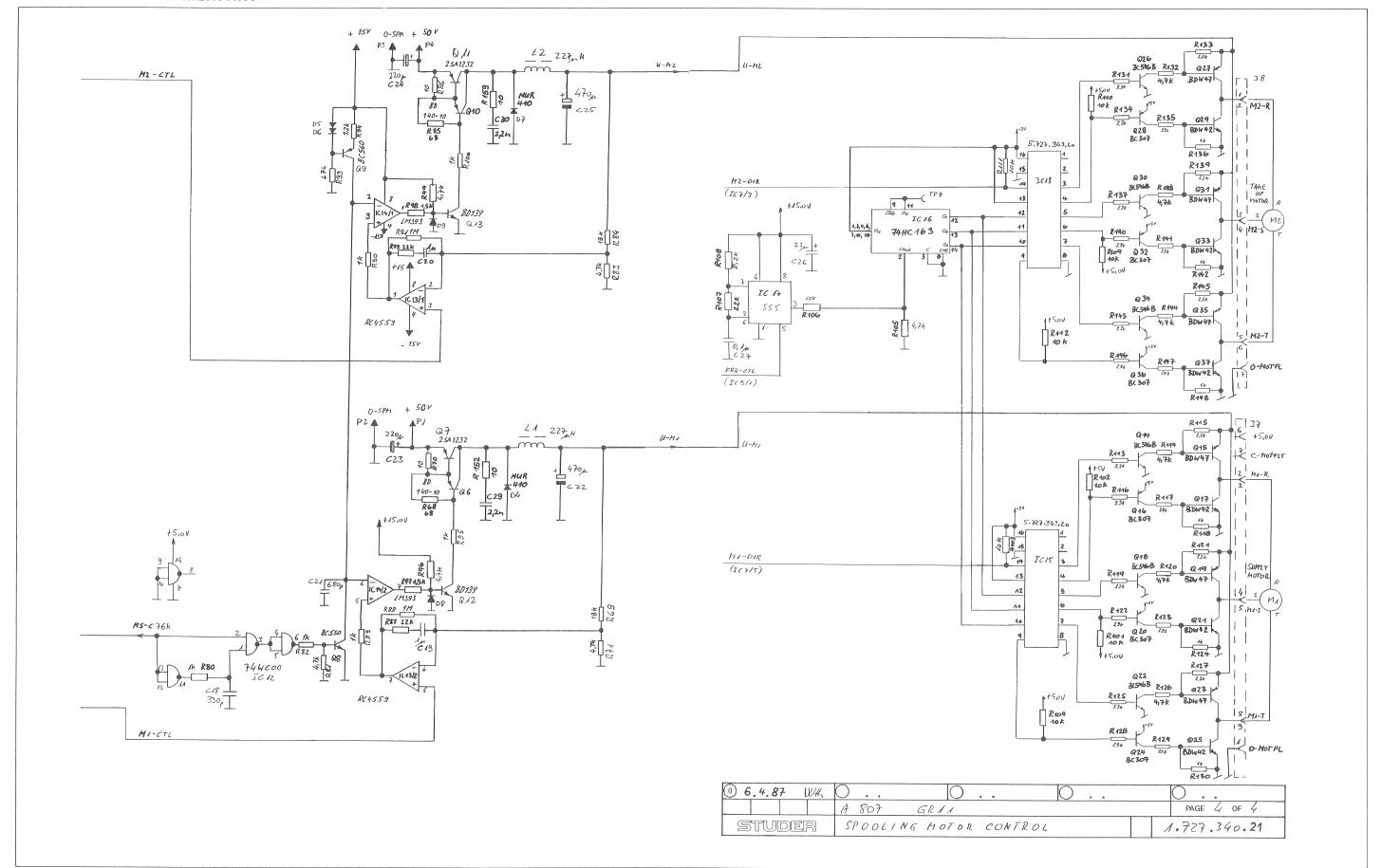
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01)	C	59.05.2151 59.06.0683 59.06.0104 59.32.1221 59.06.0102 59.22.5220 59.22.5220 59.22.5220 59.16.2683 59.22.5220 59.11.6221	150 pF 68 nF 0.1 uF 220 pF 1 nF 22 uF 68 nF 22 uF 22 uF 184448 BAS 40-02	2.5%, SOV. PP 10%, SOV. PETP 10%, SOV. PETP 10%, SOV. Cee 10%, SOV. PETP -20%, 25V. E1 10%, SOV. PETP -20%, 25V. E1 10%, SOV. PETP -20%, SOV. PETP -20%, SOV. PETP -20%, SOV. PETP -30%, SOV. PETP -30%, SOV. SI BAT 42. BAT 85 BAT 42. BAT 85		(00) (01) (00) (01) (00) (01)	R6 R6 R7 R7 R8 R9 R10 R11 R12 R13 R14 R14 R15 R16	57.11.4472 57.11.4472 57.11.4101 57.11.4223 57.11.4154 57.11.4154 57.11.4104 58.01.8504 57.11.4103 57.11.4151 57.11.4151 57.11.4151 57.11.4152 58.01.8103	4.7 kOhm not used 4.7 kOhm 100 Ohm 150 kOhm 150 kOhm 150 kOhm 100 kOhm 100 kOhm 150 Ohm 150 Ohm 150 Ohm 150 Ohm	2X. 0.25W, MF 2X. 0.25W, MF	
(01)	D3 D4 IC1 IC2	50.04.1112 50.99.0167 50.09.0107 54.01.0305	not used 5.1 V HH74CO4N RC4559 5-Pole	5%, 0.4%, Zener CD4069, C-HOS Dual Op-Amp CIS Socket Strip			TP1 TP2 XIC1 XIC2	54.02.0320 54.02.0320 53.03.0167 53.03.0166	14-Pole 8-Pole	Plug 2.8*0.8 Plug 2.8*0.8 IC-Socket IC-Socket	
	L1 L2 MP1 MP2 MP3	1.810.125.00 1.810.125.00 28.21.0050 1.727.320.10 1.727.320.11	2 pcs 1 pcs 1 pcs	Coil Coil tubular rivet 2.5*17 No. Label TAPE TENSION SENSOR PCB							
	мр4 Q1 R1 R2 R3 R4	1.727.320.11 43.01.0108 50.03.0436 57.11.4152 57.11.3202 57.11.4472 57.11.4102 57.11.3203	1 pcs 1 pcs 1 pcs BC237B 1.5 kOhm 2 kOhm 4.7 kOhm 1 kOhm 20 kOhm	TARE TENSION SENSOR PUB ESSE Warning label BC547B, BC550B 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		EL-Ele MF=Het MANUFA	ctrolytic, al Fila CTURER: ITT		, PP=Polypro Mot=Motorola	re pylen/ SI-Silicon/ , Op=Optron/ Ph=Philips/	
STU		01) 86/10/29 GP		ON SENSOR BOARD PL 1.727.320	0.00 PAGE 1			() 86/10/29 GP	TAPE TENSI	ON SENSOR BOARD PL 1.727.32	0.00 PAGE 2

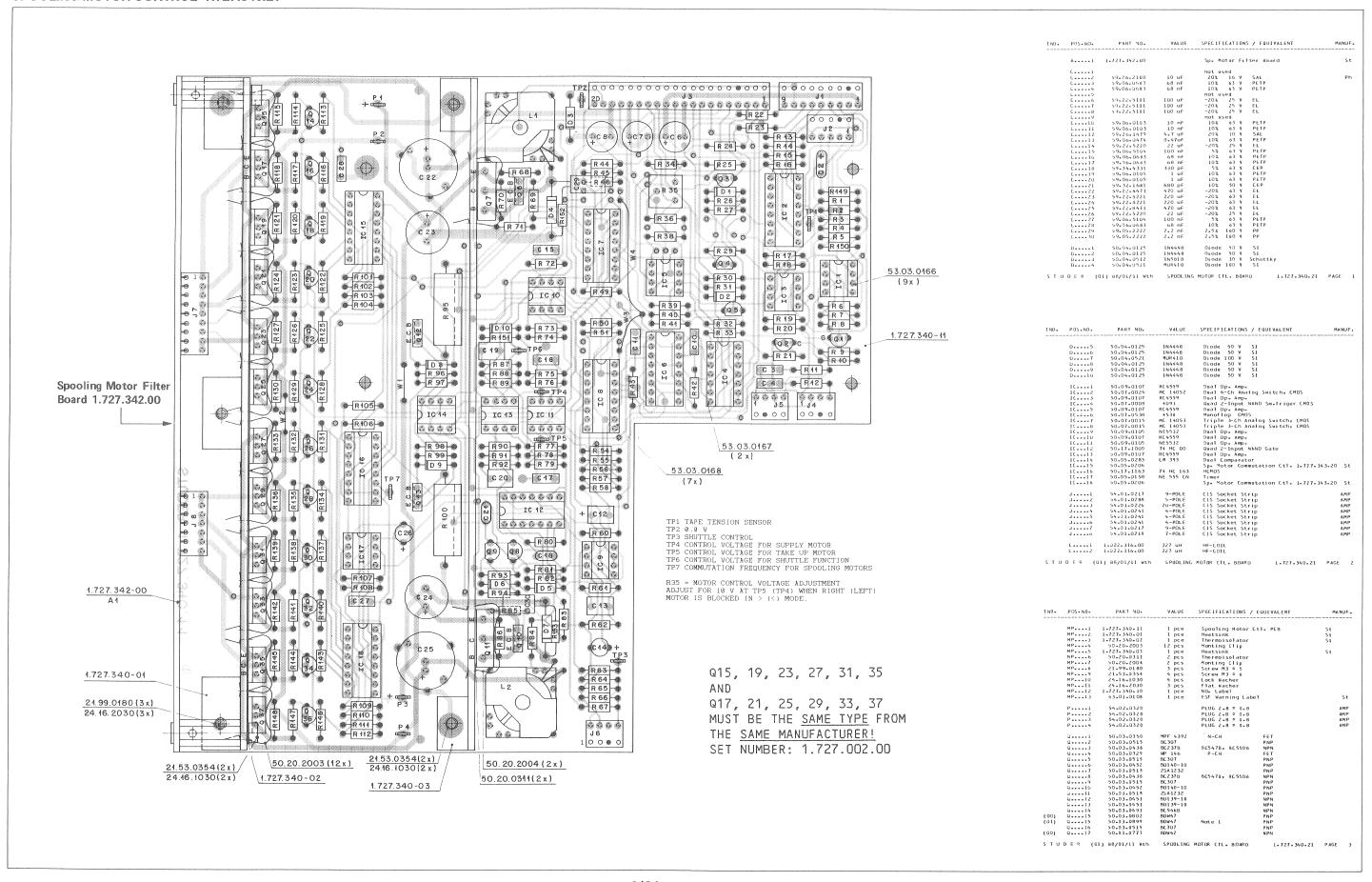
SPOOLING MOTOR CONTROL 1.727.340.21 -SHUTTLE CONTROL 1.727.180.00

-TAPE TENSION ADJUST 1.727.341.00



- -SHUTTLE CONTROL 1.727.180.00
- **-TAPE TENSION ADJUST 1.727.341.00**

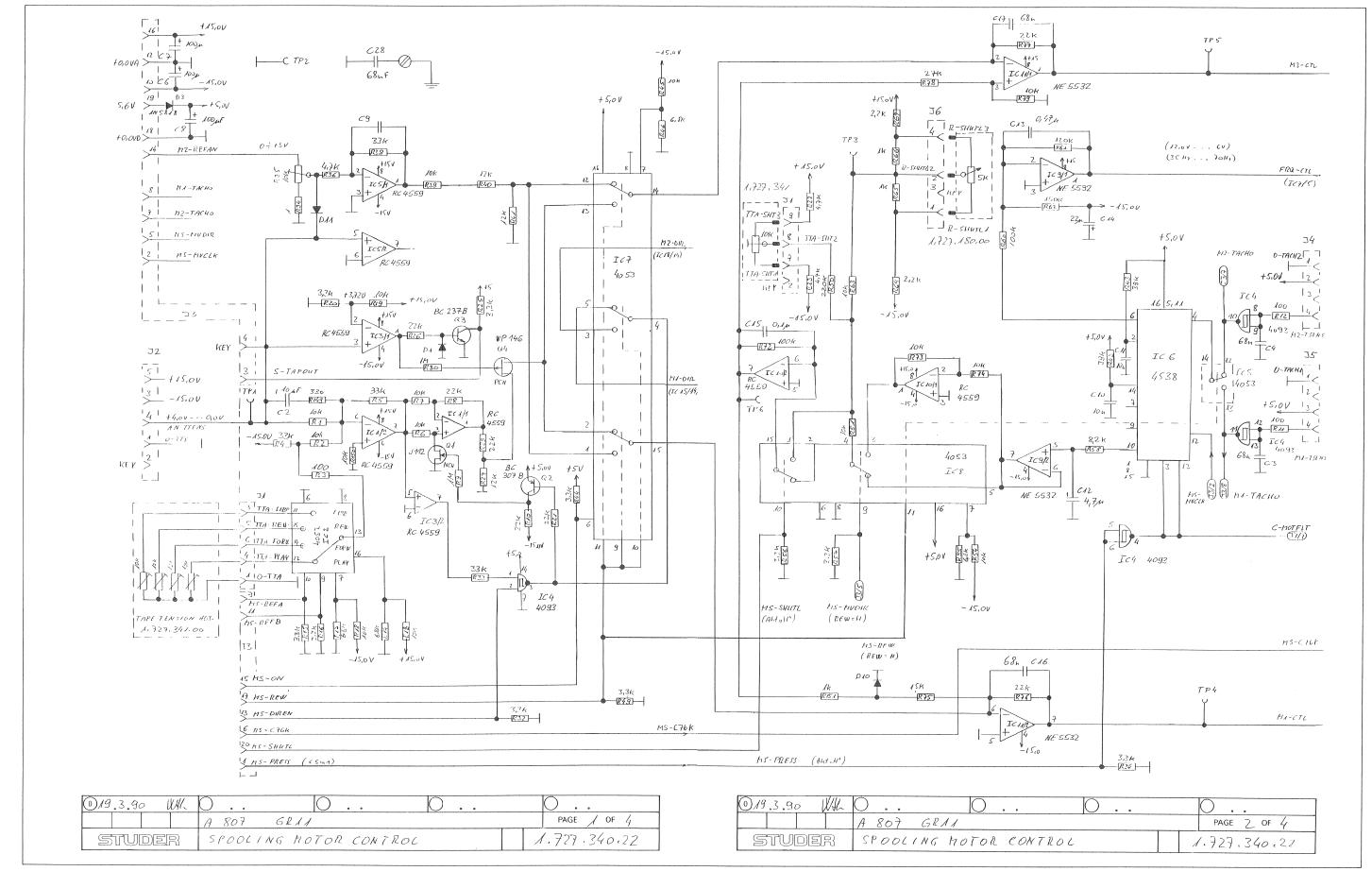




IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
(01)	R 80	Note 1: Q15, 19, 23, 27, 31 and 35 and 11, 21, 25, 29, 33 and 37 most be the same type from the same manufacturer. Electorolytic, PETP=Polysetar. PP=Polypropylen. SISSilicon , HE=Metal Film, PMG=Cermet, CER-Ceramic, SAL=Solid Aluminium HANUFACTURER: AMP=AMP, Ph=Philips, St=Studer
R	R114 57-11-4-77 4-7 K0hn 22, 0-254, MF R115 57-11-4-227 2-2 K0hn 22, 0-254, MF R116 57-11-4-397 3-9 K0hn 22, 0-254, MF	TRIG 87/04/06 (OL) 88/OL/LL
S T U D E R (01) 88/01/11 MEY SPOOLING MOTOR CTL. BOARD 1.727.340.21 PAGE 4	S T U D E R (01) 88/01/11 WEN SPOOLING MOTOR CTL- 80ARD 1-727-340-21 PAGE 7	S TUDER (OI) 88/OI/II WEH SPOOLING MOTOR CTL- BOARD 1-727-340-21 PAGE 10
IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EUUIVALENT MANUF. # 57.11-4103 10 KODm 2%, 0.25%, MF	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF. R117 57-11-4331 330 Ohn 22, 0-25H, MF	
H 7 7-11-4103 10 K0hm 2z, 0-254, MF H 8 5-11-4223 22 K0hm 2z, 0-2554, MF H 9 5-11-4105 1 M0hm 2z, 0-2554, MF H 10 5-11-4105 1 27 K0hm 2z, 0-2554, MF H 11 5-11-4101 100 0hm 2z, 0-254, MF H 12 5-11-4101 100 0hm 2z, 0-254, MF H 12 5-11-4101 100 0hm 2z, 0-254, MF H 13 5-11-401 100 0hm 2z, 0-254, MF H 14 5-11-401 100 0hm 2z, 0-254, MF H 15 5-11-401 100 0hm 2z, 0-254, MF H 15 5-11-401 100 0hm 2z, 0-254, MF H 16 5-11-4332 3-3 K0hm 2z, 0-254, MF H 17 5-11-401 10 K0hm 2z, 0-254, MF H 18 5-11-4103 10 K0hm 2z, 0-254, MF H 18 5-11-4103 10 K0hm 2z, 0-254, MF H 19 5-11-4103 10 K0hm 2z, 0-254, MF	R118 57.11.4.102 1 kDhm 22, 0.254, MF R120 57.11.4.321 3.3 kDhm 22, 0.254, MF R120 57.11.4.322 3.3 kDhm 22, 0.254, MF R121 57.11.4.322 3.2 kDhm 22, 0.254, MF R123 57.11.4.302 1.30 kDhm 22, 0.254, MF R124 57.11.4.102 1.30 kDhm 22, 0.254, MF R125 57.11.4.102 1.50 kDhm 22, 0.254, MF R126 57.11.4.102 1.50 kDhm 22, 0.254, MF R127 57.11.4.102 1.50 kDhm 22, 0.254, MF R128 57.11.4.22 2.2 kDhm 22, 0.254, MF R129 57.11.4.22 3.9 kDhm 22, 0.254, MF R129 57.11.4.331 3.0 Ohm 22, 0.254, MF	
R20 57-11-4332 3-3 kOhm 2x 0-254, MF R21 57-11-423 22 kOhm 2x 0-254, MF R22 57-11-4272 4-7 kOhm 2x 0-254, MF R23 57-11-4372 4-7 kOhm 2x 0-254, MF R24 57-11-432 3-3 kOhm 2x 0-254, MF R25 57-11-432 3-3 kOhm 2x 0-254, MF R26 57-11-4223 22 kOhm 2x 0-254, MF R27 57-11-4223 12 kOhm 2x 0-254, MF R28 R28 R29 51-11-4223 22 kOhm 2x 0-254, MF	R131 57.11.4322 3.3 kOhm 24, 0-254, MF R132 57.11.4472 4.7 kOhm 24, 0-254, MF R133 57.11.4222 2.2 kOhm 24, 0-254, MF R134 57.11.4331 330 Ohm 24, 0-254, MF R135 57.11.4331 330 Ohm 24, 0-254, MF R136 57.11.4331 330 Ohm 24, 0-254, MF R137 57.11.4332 1 kOhm 24, 0-254, MF R137 57.11.4322 3.3 kOhm 24, 0-254, MF R139 57.11.4222 2.2 kOhm 24, 0-254, MF R139 57.11.4222 3.9 kOhm 24, 0-254, MF R140 57.11.432 3.9 kOhm 24, 0-254, MF	
R30 51-11-4105 1 MOhm 22, 0.2594, MF R31 51-11-423 22 K0hm 22, 0.2594, MF R32 51-11-4332 3.3 K0hm 22, 0.2594, MF R33 51-11-4333 33 K0hm 22, 0.2594, MF R36 51-11-403 10 K0hm Potemeter PMG R37 F37 not used R39 51-11-4103 10 K0hm 22, 0.2594, MF R40 51-11-4123 12 K0hm 22, 0.2594, MF R41 51-11-4123 12 K0hm 22, 0.2594, MF	R161 57.11.4.03 130 Ohm 22, 0.25%, MF R163 57.11.4.03 12 1 kOhm 22, 0.25%, MF R163 57.11.4.03 12 1.3 kOhm 22, 0.25%, MF R164 57.11.4.02 2 2.2 kOhm 22, 0.25%, MF R165 57.11.4.022 2.2 kOhm 22, 0.25%, MF R166 57.11.4.331 330 Ohm 22, 0.25%, MF R167 57.11.4.331 330 Ohm 22, 0.25%, MF R168 57.11.4.03 1 kOhm 22, 0.25%, MF R169 57.11.4.03 1 kOhm 22, 0.25%, MF R190 57.11.4.03 1 kOhm 22, 0.25%, MF R190 57.11.4.10 1 kOhm 22, 0.25%, MF R191 57.11.4.10 1 kOhm 22, 0.25%, MF R153 57.11.4.10 1 kOhm 22, 0.25%, MF	
IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EDUIVALENT MANUF.	
R43 57-11-4393 39 KOhm 2%, O-25W, MF R44 57-11-4332 3-3 KOhm 2%, O-25W, MF R45 57-11-4103 10 KOhm 2%, O-25W, MF R46 57-11-4602 6-8 KOhm 2%, O-25W, MF	TP1 54-02-0320 Test Point AMP TP2 54-02-0320 Test Point AMP TP3 54-02-0320 Test Point AMP TP4 54-02-0320 Test Point AMP	
R47 not used R48 F311-4332 3-3 KOhm 2%, 0-254, MF R50 57-11-4224 220 KOhm 2%, 0-254, MF	TP5 54.02.0320 Test Point AMP TP6 54.02.0320 Test Point AMP TP7 54.02.0320 Test Point AMP W1 64.01.0106 Wire Bridge	
R52 not used R53	M2 64-01-0106 Wire Bridge M3 1-010-107-64 Wire Bridge M4 1-010-109-64 Wire Bridge	
R56 57-11-4332 3-3 KOhm 2x, 0-254, MF R57 57-11-4332 3-3 KOhm 2x, 0-254, MF R58 57-11-4822 8-2 KOhm 2x, 0-254, MF R59 7-11-4104 100 KOhm 2x, 0-254, MF	XIC1 53.03.0166 8 Pole IC Socket XIC2 53.03.0166 8 Pole IC Socket XIC3 53.03.0166 8 Pole IC Socket XIC4 53.03.0166 8 Pole IC Socket XIC5 53.03.0166 8 Pole IC Socket	
K61 57-11-4124 120 KUhm 22, 0-254, MF K62 57-11-4154 150 KUhm 22, 0-254, MF R63 57-11-4103 10 KUhm 22, 0-254, MF R64 57-11-4222 2-2 KUhm 22, 0-254, MF	XIC6 53.03.0168 16 Pole IC Socket XIC7 53.03.0168 16 Pole IC Socket XIC8 53.03.0168 16 Pole IC Socket XIC9 53.03.0166 8 Pole IC Socket XIC10 53.03.0166 8 Pole IC Socket XIC10 53.03.0166 8 Pole IC Socket	
R60 57.11.4102 1 KOhm 22, 0.2544, MF R67 57.11.4222 2.2 KOhm 22, 0.2544, MF R69 57.11.4680 68 Ohm 22, 0.2544, MF R69 57.11.4183 18 KOhm 22, 0.2544, MF	XIC11 53.03.0166 8 Pole IC Socket XIC12 53.03.0166 8 Pole IC Socket XIC13 53.03.0166 8 Pole IC Socket XIC14 53.03.0166 8 Pole IC Socket	
R70 57-11-4100 10 Ohm 2x, 0.25M, MF R71 57-11-4472 4-7 Kühm 2x, 0.25M, MF R72 57-11-4104 100 Kühm 2x, 0.25M, MF R73 57-11-4103 10 Kühm 2x, 0.25M, MF	XIC15 53-03-0168 16 Pole IC Socket XIC16 53-03-0168 16 Pole IC Socket XIC17 53-03-0168 6 8 Pole IC Socket XIC18 53-03-0168 16 Pole IC Socket	
R74 57.11.4103 10 kOhm 2%, 0.254, MF R75 57.11.4103 10 kOhm 2%, 0.254, MF R77 57.11.4223 22 kOhm 2%, 0.254, MF R77 57.11.4223 22 kOhm 2%, 0.254, MF R78 57.11.4213 27 kOhm 2%, 0.254, MF		
R79 >7.11.4103 10 kOhm 2%, 0.25%, MF S T U D E R (01) 89/01/11 Wth SPOOLING MOTOR CTL. BOARD 1.727.340.21 PAGE 6	S T U D E R [01] 88/01/11 MEN SPOOLING MOTOR CTL. BOARD 1.127.340.21 PAGE 9	

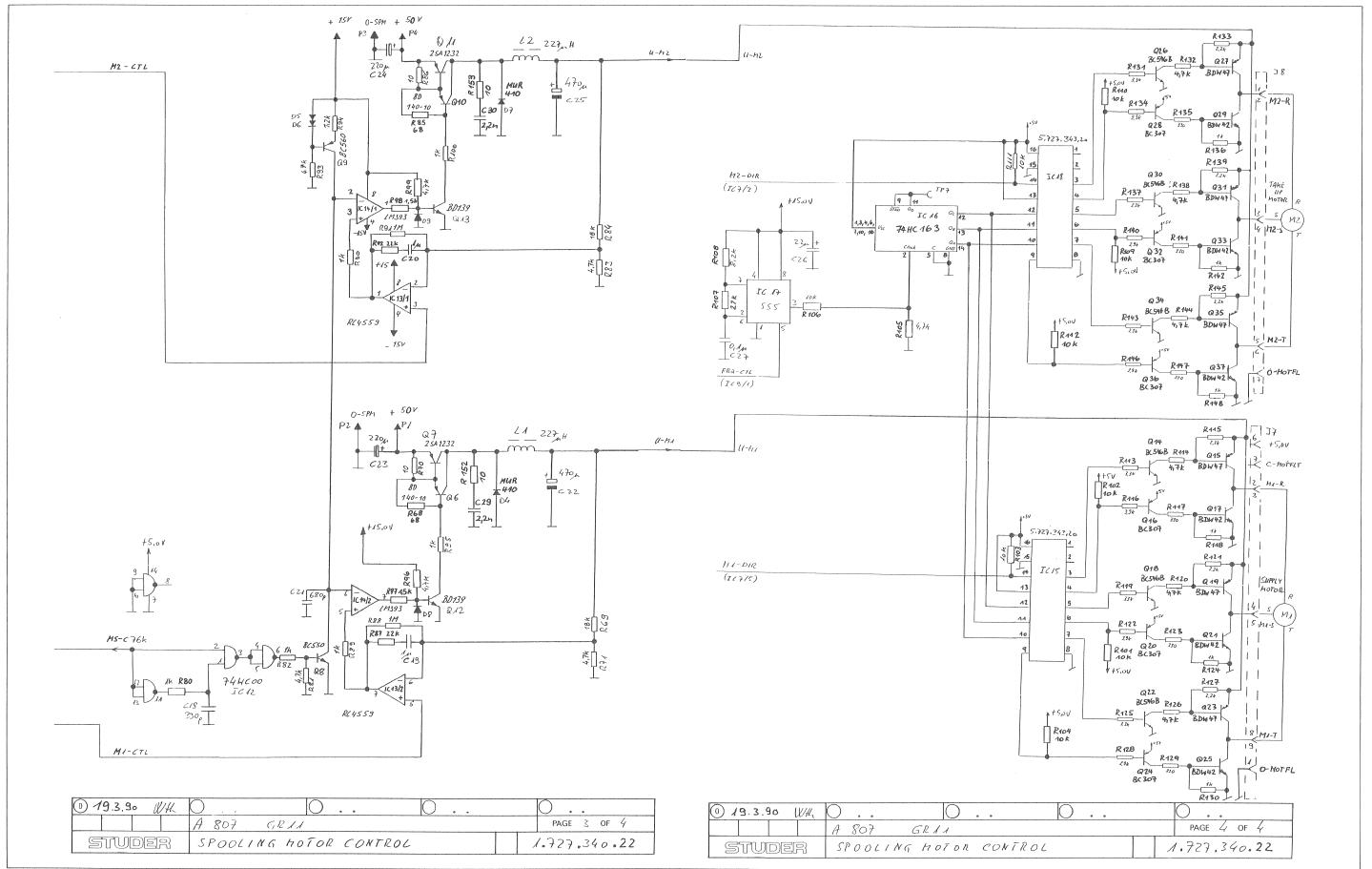
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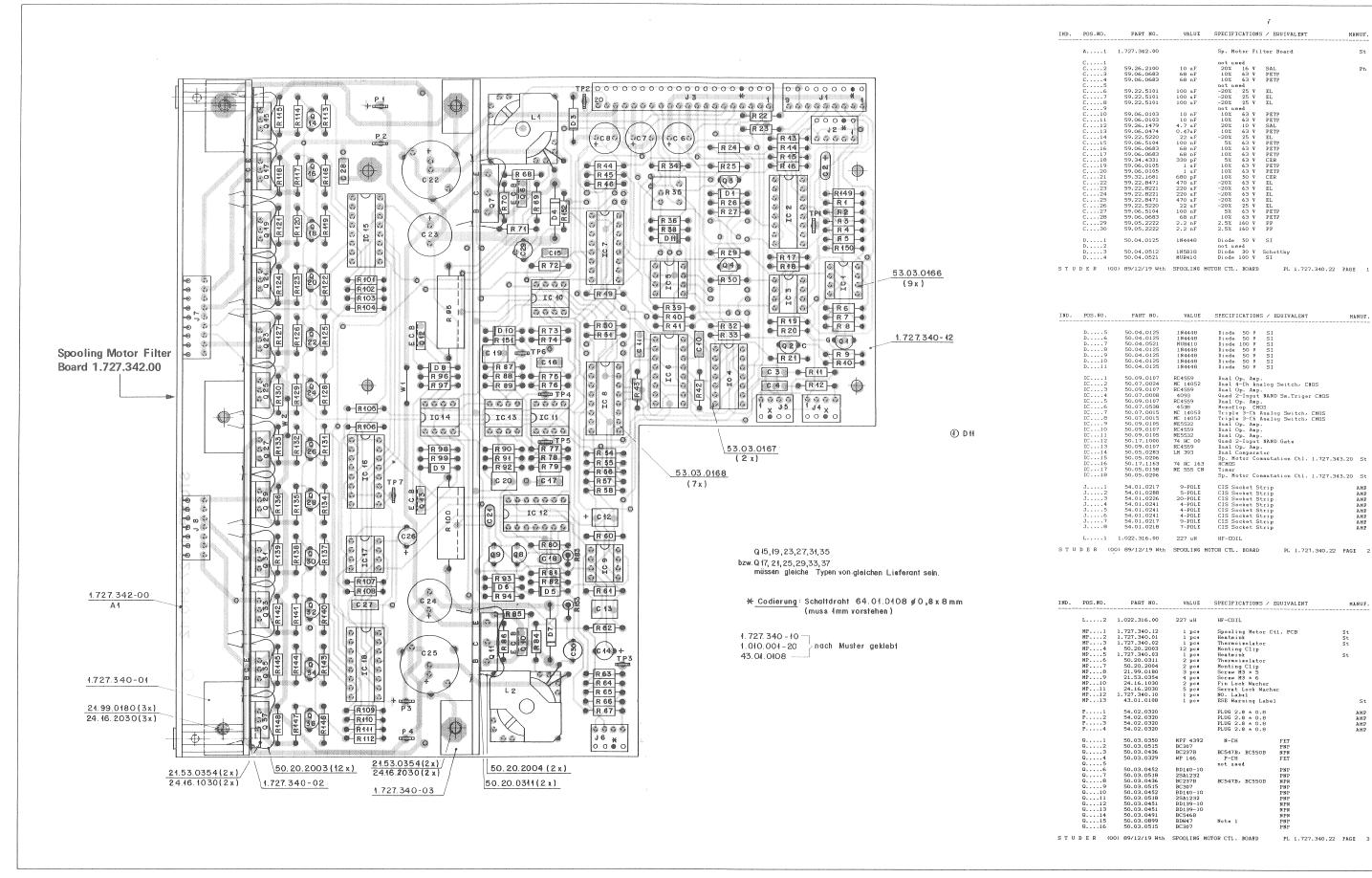
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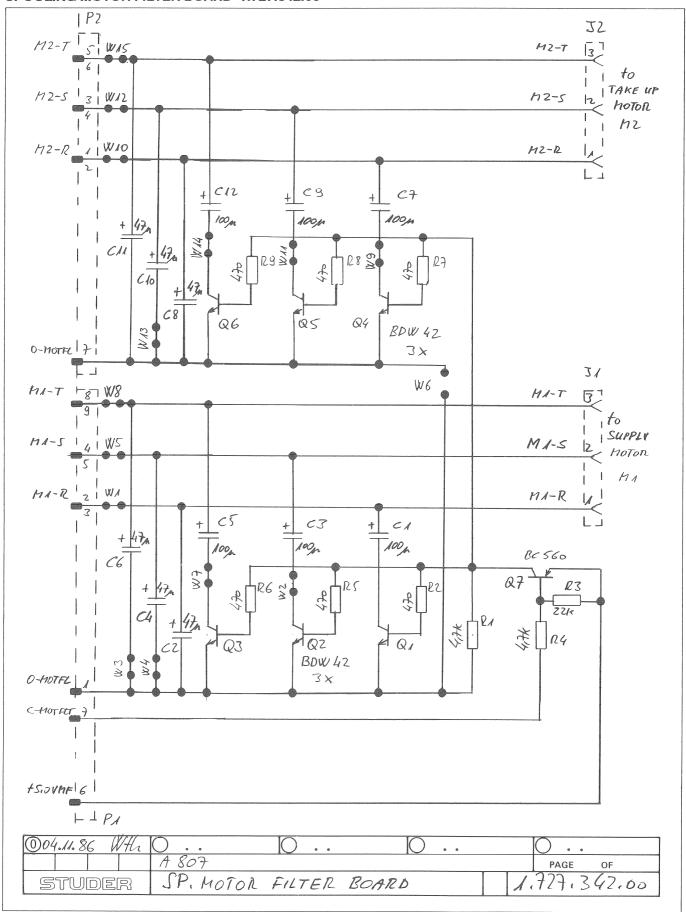
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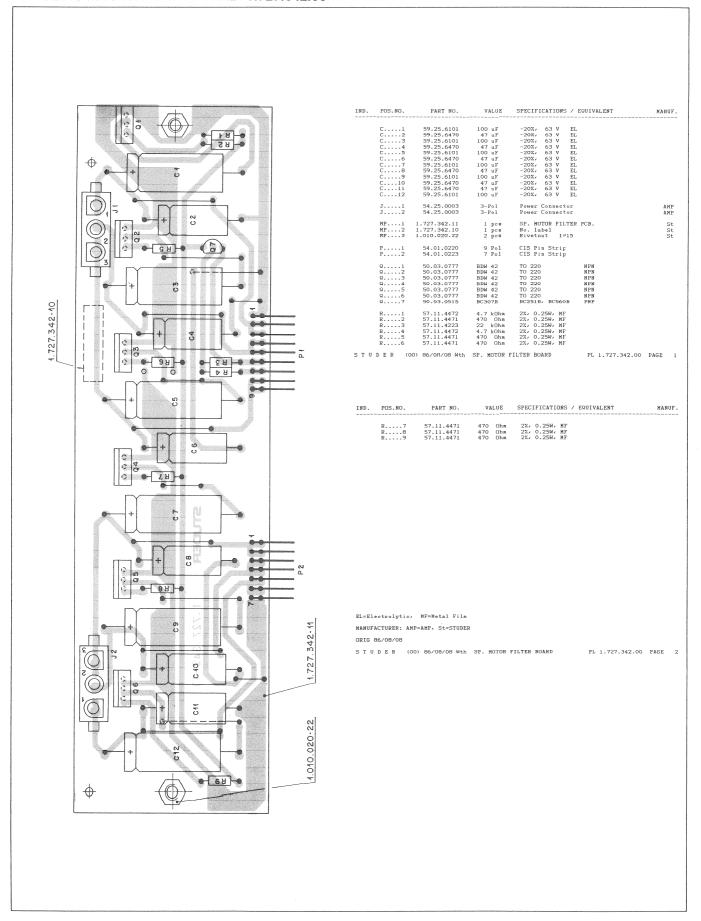


ND. POS	S.NO.	PART NO.	VALUE	SPECIFICATIONS /		MANUF.		POS.NO.	PART NO.	VALUE	SPECIFICATIONS A	/ EQUIVALENT	MAN
Q.,	17 18 19 20	50.03.0849 50.03.0491 50.03.0899 50.03.0515	BDW42 BC546B BDW47 BC307	Note 1	NPN NPN PNP PNP			R90 R91 R92 R93	57.11.3102 57.11.3105 57.11.3223 57.11.3472	1 kOhm 1 MOhm 22 kOhm 4.7 kOhm	1%, 0.25W, NF 1%, 0.25W, NF 1%, 0.25W, NF 1%, 0.25W, NF		
Q Q	21	50.03.0849 50.03.0491 50.03.0899	BDW42 BC546B BDW47	Note 1 Note 1	NPN NPN PNP			R94 R95 R96	57.11.3122 57.56.4102 57.11.3472	1.2 kOhm 1 kOhm 4.7 kOhm	1%, 0.25W, MF 5%, 4 W, DR 1%, 0.25W, MF		
Q.,	26	50.03.0515 50.03.0849 50.03.0491 50.03.0899	BC307 BDW42 BC546B BDW47	Note 1	PHP NPN NPN PHP			R97 R98 R99 R100	57.11.3152 57.11.3152 57.11.3472 57.56.4102	1.5 kOhm 1.5 kOhm 4.7 kOhm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 5%, 4 W, DR		
Ω Ω	28293031	50.03.0515 50.03.0849 50.03.0491 50.03.0899	BC307 BDW42 BC546B BDW47	Note 1	PNP NPN NPN PNP			R101 R102 R103 R104	57.11.3103 57.11.3103 57.11.3103 57.11.3103	10 k0hm 10 k0hm 10 k0hm 10 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
Q Q	32	50.03.0515 50.03.0849 50.03.0491	BC307 BDW42 BC546B	Note 1	PNP NPN NPN			R105 R106 R107	57.11.3472 57.11.3103 57.11.3223	4.7 kOhm 10 kOhm 22 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
Ω	35	50.03.0899 50.03.0515 50.03.0849	BDW47 BC307 BDW42	Note 1	PMP PMP MPN			R108 R109 R110 R111	57.11.3822 57.11.3103 57.11.3103 57.11.3103	8.2 kOhm 10 kOhm 10 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R	2	57.11.3103 57.11.3103 57.11.3101 57.11.3333	10 k0hm 10 k0hm 100 0hm 33 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R112 R113 R114 R115	57.11.3103 57.11.3332 57.11.3472 57.11.3222	10 k0hm 3.3 k0hm 4.7 k0hm 2.2 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R R	5	57.11.3333 57.11.3103 57.11.3103 57.11.3223	33 k0hm 10 k0hm 10 k0hm 22 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R116 R117 R118 R119	57.11.3392 57.11.3331 57.11.3102 57.11.3332	3.9 kOhm 330 Ohm 1 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R R	9	57.11.3105 57.11.3223 57.11.3101	1 M0hm 22 k0hm 100 0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R120 R121 R122	57.11.3472 57.11.3222 57.11.3392	4.7 kOhm 2.2 kOhm 3.9 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R	13	57.11.3101 57.11.3103 57.11.3682 57.11.3332	100 0hm 10 k0hm 6.8 k0hm 3.3 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R123 R124 R125 R126	57.11.3331 57.11.3102 57.11.3332 57.11.3472	330 Ohm 1 kOhm 3.3 kOhm 4.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
TUDE	R (00)	89/12/19 Wth	SPOOLING MO	DTOR CTL. BOARD	PL 1.727.340.2	2 PAGE 4	STU	DER (O)) 89/12/19 Wth	SPOOLING M	OTOR CTL. BOARD	PL 1.727.340.2	2 PAGE
). POS		PART NO.	VALUE	SPECIFICATIONS /	/ EQUIVALENT	MANUF.		POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	· EQUIVALENT	MAN
R.,	17	57.11.3332 57.11.3682 57.11.3103	3.3 kOhm 6.8 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R127 R128 R129	57.11.3222 57.11.3392 57.11.3331	2.2 kOha 3.9 kOha 330 Oha	1%, 0.25W, HF 1%, 0.25W, HF 1%, 0.25W, HF		
R R R	19	57.11.3103 57.11.3332 57.11.3223 57.11.3472	10 k0hm 3.3 k0hm 22 k0hm 4.7 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R130 R131 R132 R133	57.11.3102 57.11.3332 57.11.3472 57.11.3222	1 kOhm 3.3 kOhm 4.7 kOhm 2.2 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R R	23 24 25	57.11.3472 57.11.3332 57.11.3332	4.7 kOhm 3.3 kOhm 3.3 kOhm	1%, 0.25W, NF 1%, 0.25W, MF 1%, 0.25W, NF				R134 R135 R136	57.11.3392 57.11.3331 57.11.3102	3.9 kOhm 330 Ohm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R R	27 28 29	57.11.3223 57.11.3123 57.11.3223	22 k0hm 12 k0hm 22 k0hm	1%, 0.25W, MF 1%, 0.25W, MF not used 1%, 0.25W, MF				R137 R138 R139 R140	57.11.3332 57.11.3472 57.11.3222 57.11.3392	3.3 kOhm 4.7 kOhm 2.2 kOhm 3.9 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R R	31 32 33	57.11.3105 57.11.3332 57.11.3333	1 MOhm 3.3 kOhm 33 kOhm	1%, 0.25W, MF not used 1%, 0.25W, MF 1%, 0.25W, MF				R141 R142 R143 R144	57.11.3331 57.11.3102 57.11.3332 57.11.3472	330 Ohm 1 kOhm 3.3 kOhm 4.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R	35	57.11.3109 58.01.8103 57.11.3472	1 Ohm 10 kOhm 4.7 kOhm	1%, 0.25W, MF Potmeter PMG 1%, 0.25W, MF not used				R145 R146 R147 R148	57.11.3222 57.11.3392 57.11.3331 57.11.3102	2.2 kOhm 3.9 kOhm 330 Ohm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
R R R	38 39 40	57.11.3333 57.11.3103 57.11.3123 57.11.3123	33 kOhm 10 kOhm 12 kOhm 12 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R149 R150 R151 R152	57.11.3331 57.11.3103 57.11.3102 57.11.3100	330 Ohm 10 kOhm 1 kOhm 10 Ohm	1%, 0.25W, NF 1%, 0.25W, NF 1%, 0.25W, NF 1%, 0.25W, NF		
R R R	42 43 44	57.11.3393 57.11.3393 57.11.3332 57.11.3103	39 kOhm 39 kOhm 3.3 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R153 TP1 TP2	57.11.3100 54.02.0320 54.02.0320	10 Ohn	1%, 0.25%, NF Test Point Test Point		2
R R R	46 47 48	57.11.3682	6.8 kOhm	1%, O.25W, MF not used not used				TP3 TP4 TP5	54.02.0320 54.02.0320 54.02.0320		Test Point Test Point Test Point		, 1 1
R R	50	57.11.3332 57.11.3224 57.11.3103	3.3 kOhm 220 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF not used				TP6 TP7	54.02.0320 54.02.0320 64.01.0106		Test Point Test Point Wire Bridge		,
UDE	P (00)								04.01.0100		wire priede		
	1 (00)	89/12/19 Wth	SPOOLING MO	DTOR CTL. BOARD	PL 1.727.340.2	2 PAGE 5	stu	DER (OC) 89/12/19 Wth	SPOOLING MC	_	PL 1.727.340.22	2 PAGE
. POS		89/12/19 Wth	SPOOLING MO	SPECIFICATIONS		PAGE 5		DER (OG		VALUE	_		
. POS	5.NO. 53 54 55	PART NO. 57.11.3103 57.11.3682	VALUE	not used 1%, 0.25%, MF 1%, 0.25%, MF				POS.NO.	PART NO. 64.01.0106 53.03.0166	VALUE 8 Pole	SPECIFICATIONS / Wire Bridge IC Socket		
R R R R R	5.NO. 53 55 55 56 57 59	PART NO.	VALUE 10 kOhm	SPECIFICATIONS / ant used 1%, 0.25W, MF actused.				POS.NO. W2 XIC1 XIC2 XIC3 XIC4	99/12/19 Wth PART NO. 64.01.0106	VALUE	SPECIFICATIONS / Wire Bridge IC Socket IC Socket IC Socket IC Socket		
R R R R R R R R	5.NO. 53 54 55 56 57 58 59 59	PART NO. 57.11,3103 57.11,3682 57.11,3332 57.11,3332	VALUE 10 kOhn 6.8 kOhn 3.3 kOhn 8.2 kOhn 100 kOhn 120 kOhn 150 kOhn 10 kOhn	not used 1% 0.25% MF 1% 0.25% MF				POS.NO	PART NO. 64.01.0106 53.03.0168 53.03.0168 53.03.0168	VALUE B Pole 16 Pole B Pole 14 Pole	SPECIFICATIONS / Wire Bridge IC Socket IC Socket IC Socket		
POS R R R R R R R R.	5.NO. 54 55 55 57 59 59 60 61 62 63	PART NO. 57.11.3103 57.11.3662 57.11.3622 57.11.3622 57.11.3104 57.11.3124 57.11.3125 57.11.3125 57.11.3125 57.11.3126	VALUE 10 kOhn 6.8 kOhn 3.3 kOhn 3.3 kOhn 6.2 kOhn 100 kOhn 120 kOhn 150 kOhn 10 kOhn 1 kOhn 1 kOhn 1 kOhn	SPECIFICATIONS / act used 1%, 0.25W, MF				POS.NO. W2 XIC1 XIC3 XIC4 XIC4 XIC5 XIC6 XIC6 XIC6 XIC7 XIC8 XIC9 XIC10 XIC11	PART NO. FART NO. 64.01.0106 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0168 53.03.0168 53.03.0168	WALUE 8 Pole 16 Pole 18 Pole 14 Pole 16 Pole 16 Pole 16 Pole 8 Pole 8 Pole 8 Pole 14 Pole 14 Pole	SPECIFICATIONS / Wire Bridge IC Socket		
POS R R R R R R R R.	5.NO. 53 54 55 56 57 59 60 61 62 62 63 64 65 66 66 66	PART NO. 57.11.3003 57.11.3662 57.11.3322 57.11.3822 57.11.3124 57.11.3154 57.11.3152 57.11.3162 57.11.316560 57.11.31660 57.11.31660	VALUE 10 KOhn 6.8 KOhn 3.3 KOhn 8.2 KOhn 100 KOhn 100 KOhn 150 KOhn 101 KOhn 12.2 KOhn 1 KOH	SPECIFICATIONS / ant used 1% 0.25W, MF				PGS.NO. W2 XIC12 XIC2 XIC3 XIC4 XIC6 XIC6 XIC6 XIC6 XIC6 XIC10 XIC10 XIC10 XIC10 XIC11 XIC14 XIC14 XIC15	PART NO. 64.01.0106 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	WM.UE 8 Pole 16 Pole 9 Pole 16 Pole	SPECIFICATIONS / Wire Bridge IC Socket		
. POS	5.NO. 594 556 575 590 591 601 616 62 646 646 656 667 699 707 74	PART NO. 57.11.309 57.11.3682 57.11.3922 57.11.3022 57.11.3124 57.11.3124 57.11.3125 57.11.3125 57.11.3125 57.11.3125 57.11.3122 57.11.3122 57.11.3122 57.11.3122 57.11.3122 57.11.3122 57.11.3122 57.11.3122 57.11.3122	VALUE 10 KOha 6.8 KOha 3.3 KOha 3.3 KOha 8.2 KOha 100 KOha 120 KOha 1.50 KOha 1. KOha	SPECIFICATIONS / not used 1% 0.25% MF				POS.NO. W2 XIC1 XIC2 XIC3 XIC4 XIC5 XIC5 XIC7 XIC8 XIC7 XIC8 XIC10 XIC10 XIC10 XIC11 XIC12 XIC12 XIC13 XIC14	PART NO. FART NO. 64.01.0106 53.03.0166 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	VALUE 8 Pole 16 Pole 8 Pole 16 Pole	SPECIFICATIONS / Wire Bridge IC Socket		
POS R R R R R R R R.	5. NO	PART NO. 57.11.303 57.11.3682 57.11.3932 57.11.3104 57.11.3124 57.11.3124 57.11.3125 57.11.3125 57.11.3125 57.11.3125 57.11.3125 57.11.3122 57.11.3102 57.11.3102 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103	VALUE 10 kOha 6.8 kOha 3.3 kOha 9.3 kOha 100 kOha 110 kOha 120 kOha 110 kOha 120 kOha 100 kOha 100 kOha 11 kOha 120 kOha 11 kOha 120 kOha 10	SPECIFICATIONS / act used 1%. 0.259/. MF				POS.NO	PART NO. 64.01.0106 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	VM.UE 8 Pole 16 Pole 8 Pole 16 Pole 8 Pole 16 Pole 8 Pole 16 Pole 8 Pole 9 Pole 16 Pole	SPECIFICATIONS / Wire Bridge IC Socket		
POS RRRRRRRRRR.	5.NO. 534 554 555 575 599 601 621 623 645 665 667 669 677 712 712 734 747 774 776 	FART NO. 57.11.3003 57.11.3662 57.11.3392 57.11.3392 57.11.3104 57.11.3104 57.11.3105 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103	VALUE 10 KOhn 6.8 KOhn 3.3 KOhn 8.2 KOhn 100 KOhn 1100 KOhn 120 KOhn 1100 KOhn 120 KOhn 1 KO	SPECIFICATIONS / and used 1%, 0.25W, MF			IND.	POS.NO. W2 XIC1 XIC2 XIC3 XIC4 XIC6 XIC6 XIC6 XIC6 XIC10 XIC10 XIC12 XIC12 XIC12 XIC13 XIC14 XIC15 XIC16 XIC17	PART NO. 64.01.0106 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	WALUE 8 Pole 16 Pole 8 Pole 17 Pole 18 Pole 16 Pole 16 Pole 8 Pole 16 Pole 8 Pole 17 Pole 18 Pole 18 Pole 19 Pole 10 Pole	SPECIFICATIONS / Wire Bridge IC Socket		
POS	5.NO	PART NO. 57.11,3103 57.11,3662 57.11,3622 57.11,3822 57.11,3124 57.11,3124 57.11,3124 57.11,3125 57.11,3126 57.11,3127	VALUE 10 kOhn 6.8 kOhn 3.3 kOhn 3.3 kOhn 100 kOhn 120 kOhn 150 kOhn 160 kOhn 170 kOhn 180 kO	SPECIFICATIONS / anot used 12. 0.25W, MF			IND.	POS.NO. W	PART NO. 64.01.0106 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	VALUE 8 Pole 16 Pole 8 Pole 17 Pole 18 Pole 18 Pole 16 Pole 16 Pole 18 Pole 16 Pole 17 Pole 18 Pole 18 Pole 16 Pole 17 Pole 18 Pole 18 Pole 19 Pole 19 Pole 19 Pole 19 Pole 10 Pole 10 Pole	SPECIFICATIONS / Wire Bridge IC Socket	/ EQUIVALENT	2 PAGE HANN

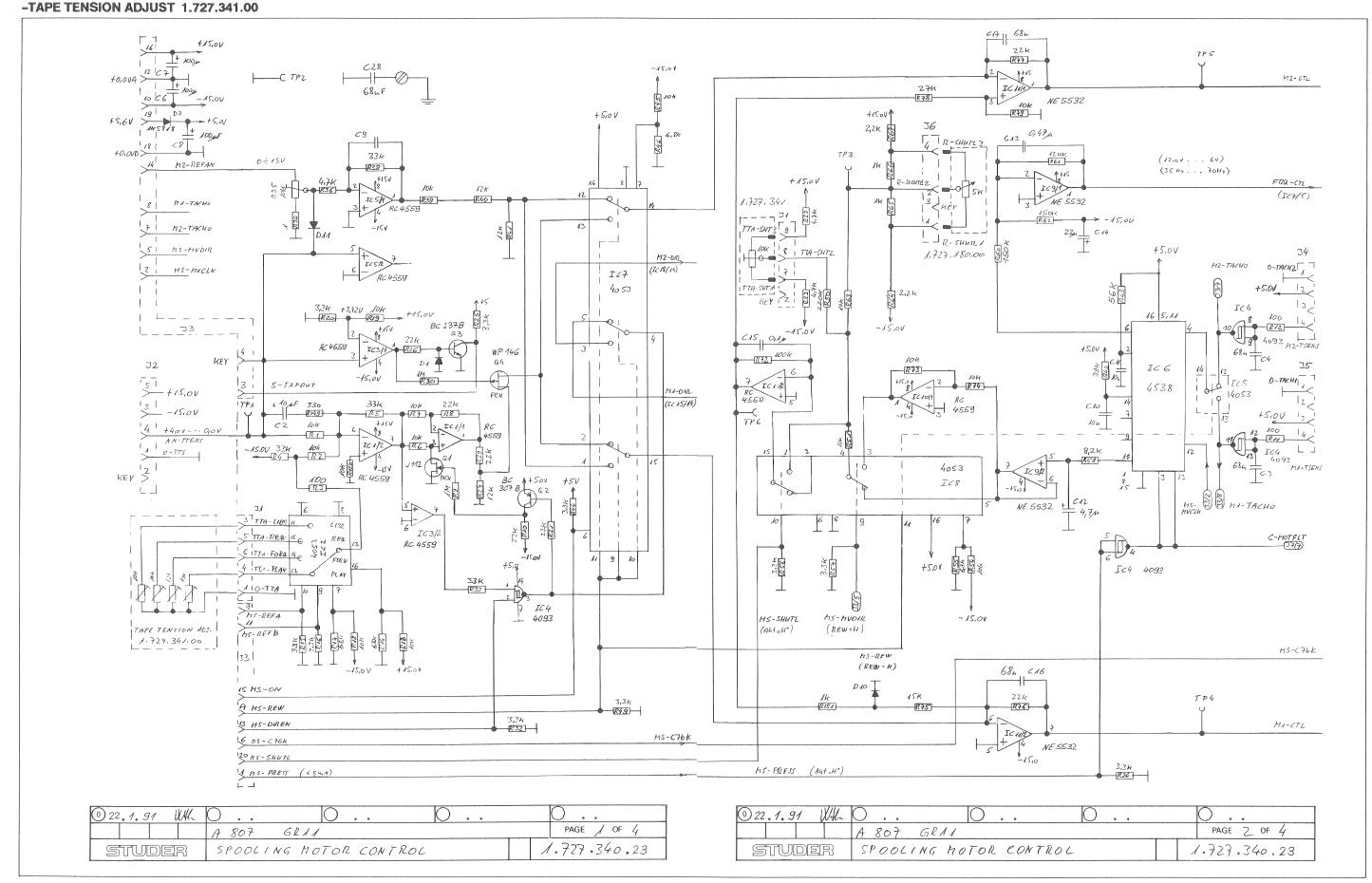
SPOOLING MOTOR FILTER BOARD 1.727.342.00



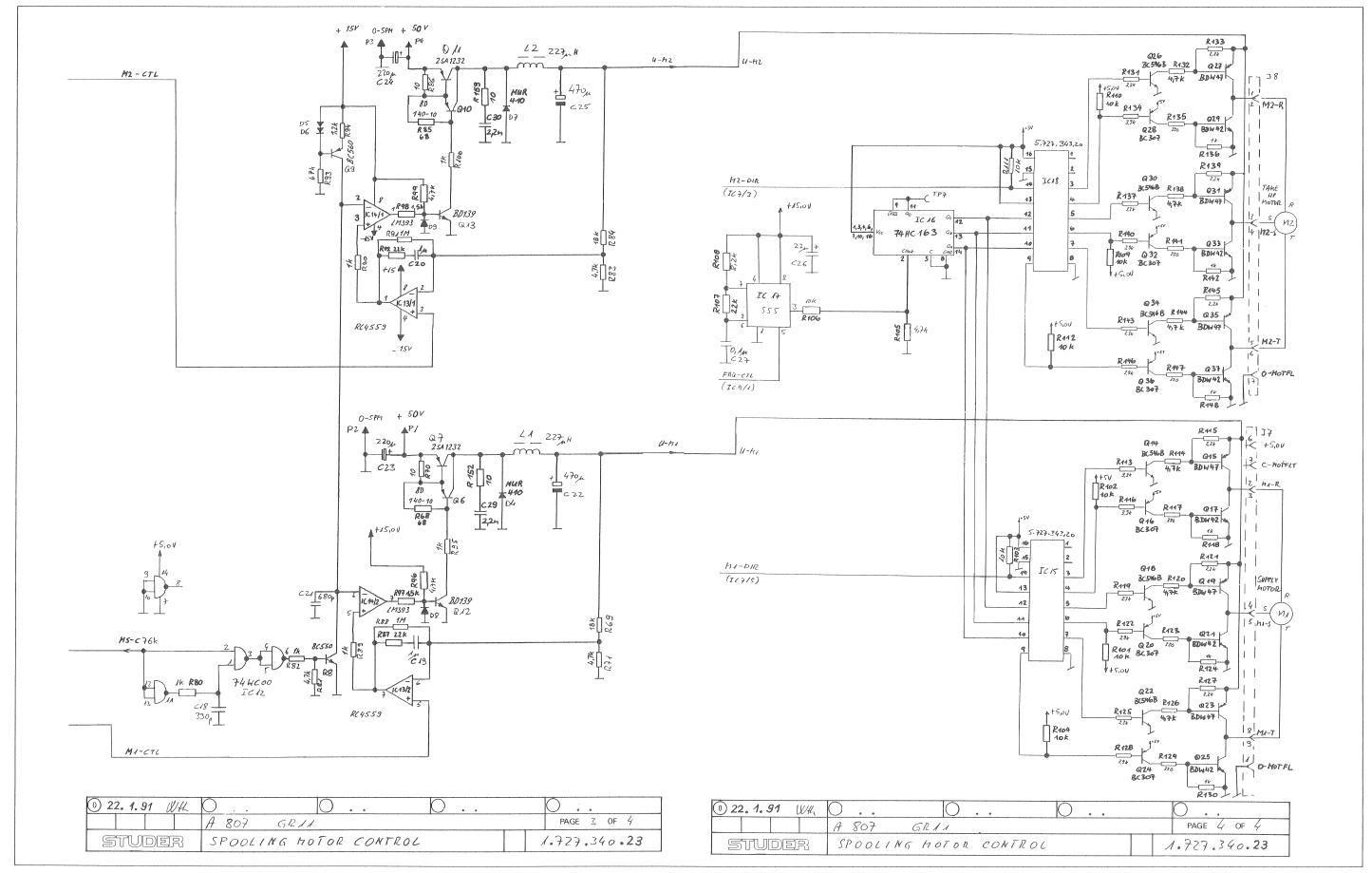
SPOOLING MOTOR FILTER BOARD 1.727.342.00

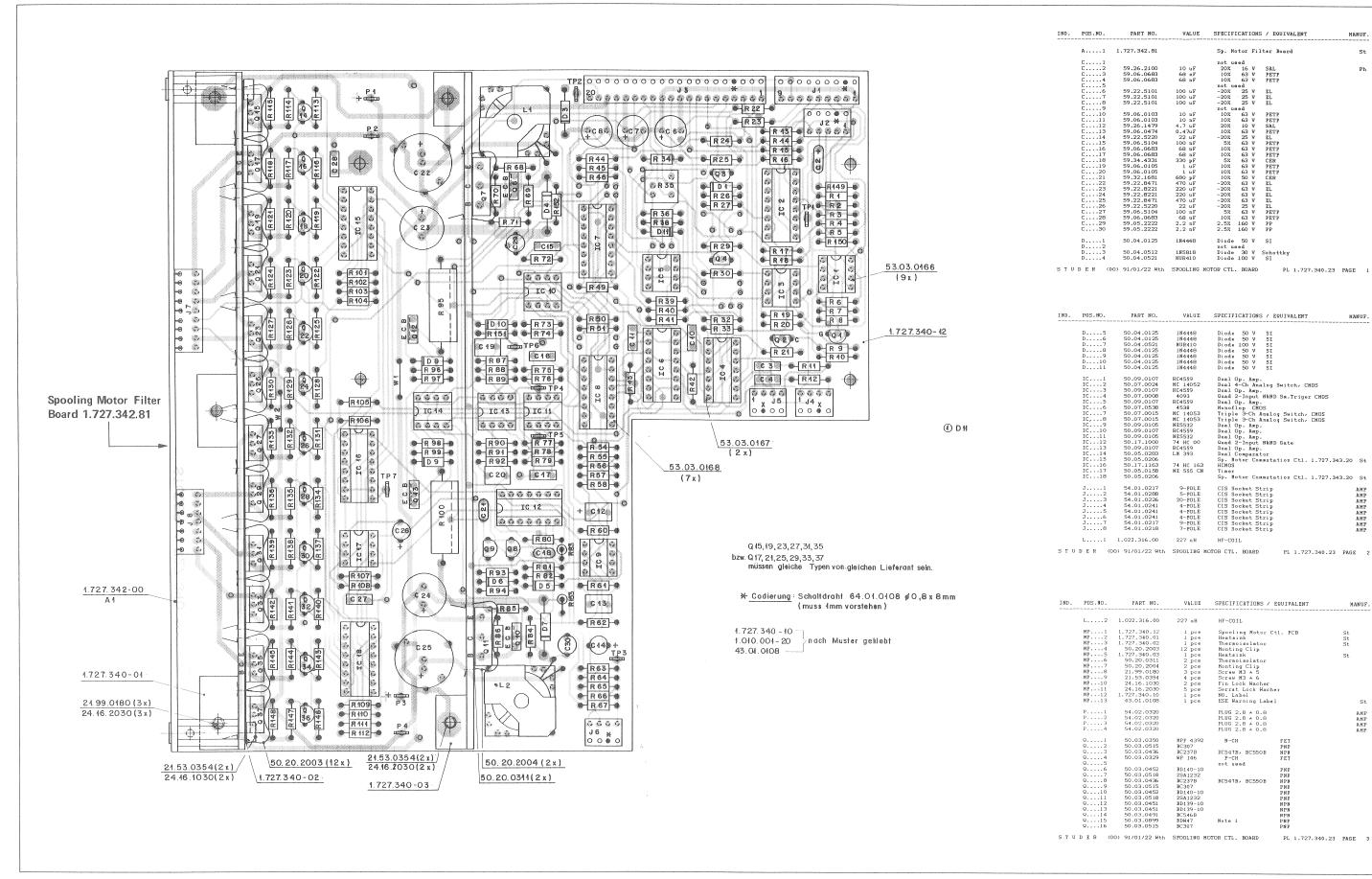


SPOOLING MOTOR CONTROL 1.727.340.23 -SHUTTLE CONTROL 1.727.180.00



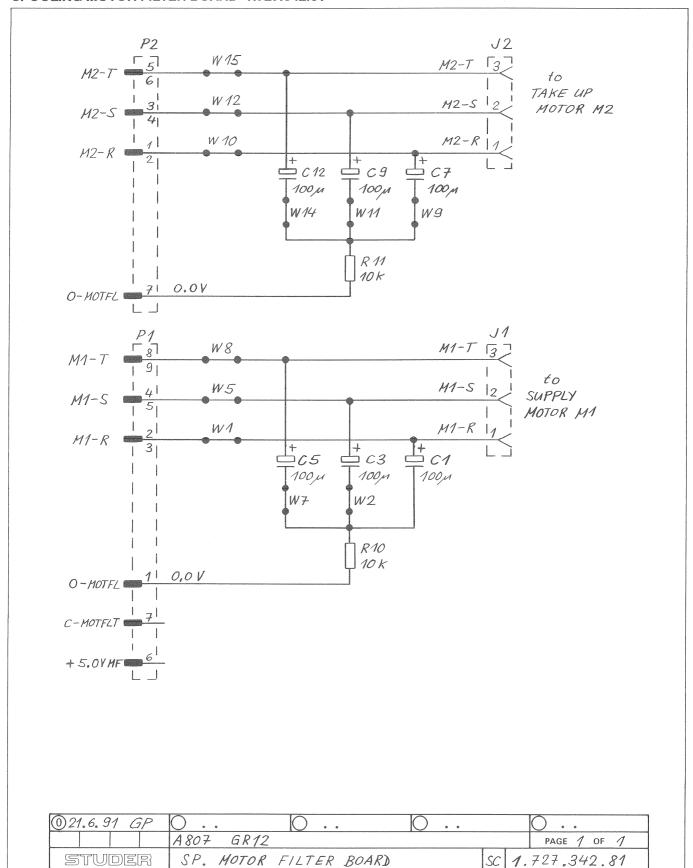
- -SHUTTLE CONTROL 1.727.180.00
- **-TAPE TENSION ADJUST 1.727.341.00**



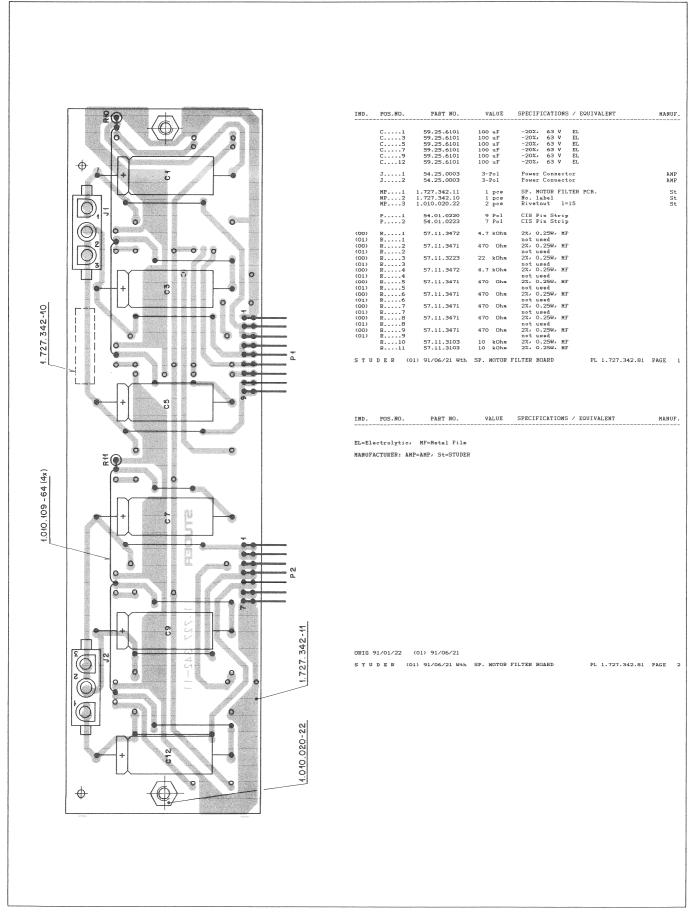


. POS.NO.	PART NO.	VALUE	SPECIFICATIONS /		MANUF.		POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MANUF
Q 17 Q 18 Q 19 Q 20 Q 21 Q 22 Q 23 Q 25 Q 26 Q 27 Q 28 Q 29 Q 30 Q 32 Q 32 Q 32 Q 32 Q 32 Q 32 Q 32 Q 32 Q 35 Q 36 Q 37 Q 36 Q 37 Q 38 Q 38 Q 39 Q 36 Q 37 Q 36 Q 37 Q 38 Q 38 Q 38 Q 39 Q 39 Q 36 Q 37 Q 36 Q 37 Q 38 Q 38 Q 39 Q 30 Q .	50.03.0849 50.03.0999 50.03.0899 50.03.0815 50.03.0815 50.03.0815 50.03.0819	BDM42 BC946B BDM47 BC307 BDM42 BC366B BDM47 BC307 BDM42 BC366B BDM47 BC307 BDM42 BC546B BDM47 BC36B BC37 BC38B BC37 BC38B BC3B BC3	Note 1 No	MEN MEN PRE PRE PRE MEN MEN PEEP MEN MEN PRE PRE PRE MEN MEN MEN PRE			R 90 R 91 R 92 R 93 R 94 R 95 R 96 R 96 R 96 R 96 R 97 R 99 R 99 R 101 R 102 R 103 R 105 R 106 R 107 R 108 R 108 R 109 R 101 R 111 R 112 R 114 R 115 R 117 R 118 R 119 R 119 R 119 R 112 R 116 R 117 R 117 R 118 R 119 R 112	57.11.3102 57.11.3105 57.11.3105 57.11.3105 57.11.3472 57.11.3472 57.15.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3103	1 kOhe 1 kOhe 22 kOhe 1	12. 0.259. MF	Pl. 1.727,340,23	
. POS.NO.	PART NO. 57.11.3332	VALUE 3.3 kOhm	SPECIFICATIONS /	/ EQUIVALENT	MANUF.		POS.NO.	PART NO. 57.11.3222	VALUE 2.2 kOhm	SPECIFICATIONS /	EQUIVALENT	MANUF
R. 17 R. 18 R. 19 R. 19 R. 20 R. 22 R. 23 R. 24 R. 25 R. 27 R. 27 R. 28 R. 29 R. 31 R. 31 R. 31 R. 32 R. 31 R. 32 R. 34 R. 34 R. 35 R. 36 R. 37 R. 38 R. 39 R. 31 R. 31 R. 34 R. 34 R. 40 R. 42 R. 44 R. 45 R. 47 R. 46 R. 47 R. 49	57.11.3662 57.11.3103 57.11.3103 57.11.3103 57.11.3322 57.11.3472 57.11.3472 57.11.3322 57.11.3223 57.11.3223 57.11.3223 57.11.3223 57.11.3223 57.11.3232 57.11.3232 57.11.3232 57.11.3232 57.11.3233 57.11.3233 57.11.3233 57.11.3233 57.11.3233 57.11.3233 57.11.3233 57.11.3235 57.11.3235 57.11.3235 57.11.3235 57.11.3235 57.11.3235 57.11.3232 57.11.3332 57.11.3332 57.11.3332 57.11.3332 57.11.3332 57.11.3332	6.8 kOhm 10 kOhm 10 kOhm 10 kOhm 3.3 kOhm 22 kOhm 3.3 kOhm 3.3 kOhm 22 kOhm 11 kOhm 3.3 kOhm 3.3 kOhm 10 kOhm 10 kOhm 10 kOhm 12 kOhm 10 kOhm 12 kOhm 10 kOhm	12. 0.25W, MF 12	N. 1.727.340	27 PAGE S	STU	R 128 R 129 R 130 R 131 R 132 R 134 R 135 R 136 R 137 R 136 R 137 R 141 R 142 R 144 R 145 R 155 R	57.11.3391 57.11.3391 57.11.3391 57.11.3417 57.11.3417 57.11.3417 57.11.392 57.11.392 57.11.392 57.11.393	3.9 kOha 330 Oha 1.3 kOha 3.1 kOha 3.1 kOha 3.2 kOha 3.2 kOha 3.2 kOha 3.3 kOha 3.3 kOha 3.3 kOha 3.3 kOha 3.3 kOha 3.3 kOha 1.2 kOha 3.3 kOha 1.2 kOha 3.3 kOha 1.3 kOha 1.3 kOha 1.3 kOha 1.3 kOha 1.3 kOha 1.3 kOha 1.4 kOha 1.5 kOha 1.5 kOha 1.6 kOha 1.6 kOha 1.6 kOha 1.6 kOha 1.7 kOha 1.7 kOha 1.8 kOha 1.8 kOha 1.9 kOha 1.9 kOha 1.0	12. 0.259. MF 13. 0.259. MF 14. 0.259. MF 15. 0.259. MF 15. 0.259. MF 16. 0.259. MF 17. 0.259. MF 18. 0.259. MF 19. 0.259. MF 19	Pl. 1. 127, 340, 23	AMP AMP AMP AMP AMP AMP AMP
и в в соо) 91/01/22 Wth	SPOOLING HO	OTOR CTL. BOARD	PL 1.727.340.	23 PAGE 5	510	D E R (OC) 91/01/22 Wth	SPOOLING MC	PROR CTL. BOARD	PL 1.727.340.23	PAGE
. POS.NO. 	PART NO.	VALUE	SPECIFICATIONS /	/ EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO. 64.01.0106	VALUE	SPECIFICATIONS /	EQUIVALENT	MANUF
R. 54 R. 55 R. 56 R. 57 R. 58 R. 56 R. 58 R. 61 R. 61 R. 62 R. 62 R. 63 R. 64 R. 65 R. 66 R. 67 R. 68 R. 70 R. 71 R. 72 R. 73 R. 73 R. 73 R. 75 R. 76 R. 77 R. 78 R. 78 R. 78 R. 79 R. 79 R. 78	57.11.309 57.11.3662 57.11.3332 57.11.3332 57.11.3125 57.11.3125 57.11.3125 57.11.3154 57.11.3154 57.11.3160 57.11.3022 57.11.3022 57.11.3022 57.11.3023 57.11.3023 57.11.3030	10 k0hm 3.3 k0hm 3.3 k0hm 6.2 k0hm 120 k0hm 120 k0hm 150 k0hm 10 k0hm 10 k0hm 10 k0hm 10 k0hm 11 k0hm 10 k0hm 11 k0hm 12 k0hm 12 k0hm 14 k0hm 15 k0hm 16 k0hm 17 k0hm 18 k0hm 18 k0hm 10 k0hm 11 k0hm 11 k0hm 11 k0hm 11 k0hm	1x. 0.25W, MF			Note :	XIC1 XIC2 XIC3 XIC4 XIC5 XIC5 XIC5 XIC7 XIC10 XIC10 XIC11 XIC12 XIC13 XIC13 XIC14 XIC18 XIC18 XIC18 XIC18 XIC18 XIC18 XIC18 XIC18	53.03.0166 53.03.0169 53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0168 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0168	37	IC Socket		

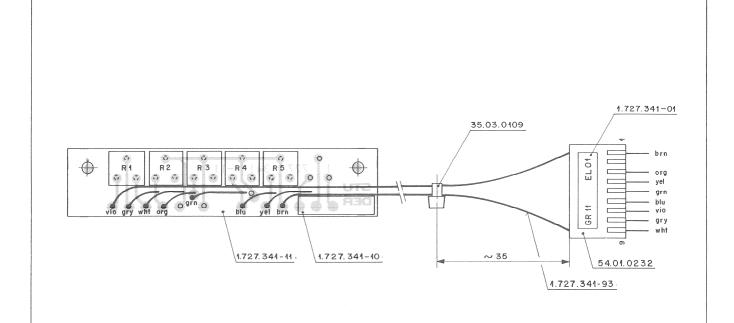
SPOOLING MOTOR FILTER BOARD 1.727.342.81



SPOOLING MOTOR FILTER BOARD 1.727.342.81



TAPE TENSION ADJUST BOARD 1.727.341.00



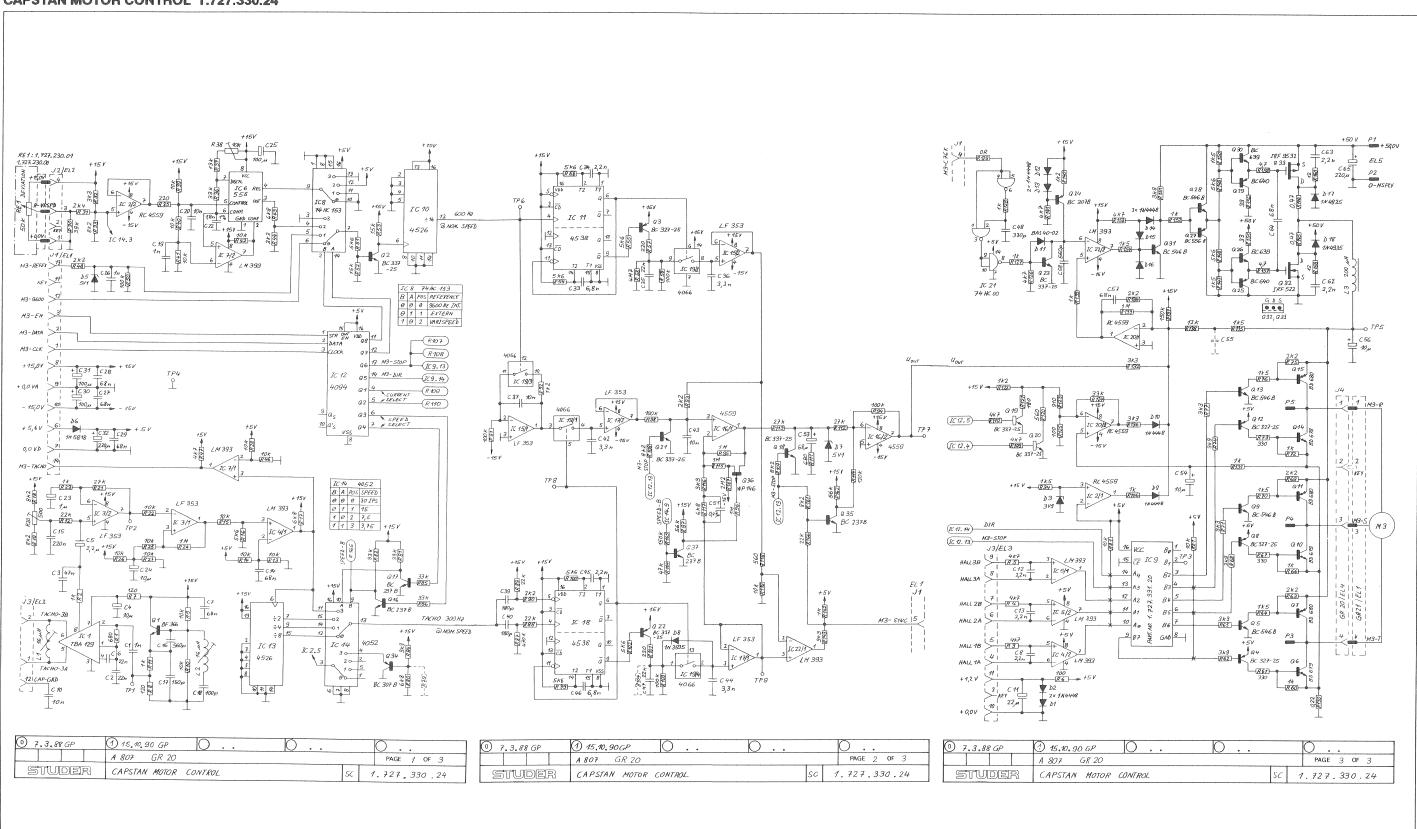
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	MP1	1.727.341.11	1 pce	Tape Tension Adj. PCB	St
	MP2	1.727.341.93	1 pce	L-LST Tape Tension Adj.	St
	MP3	54.01.0232	1 pce	CIS Case, 9 Pol	
	MP4	1.727.341.10	1 pce	No. label	St
	R1	58.01.8103	10 kOhm	Potmeter PMG	
	R2	58.01.8103	10 kOhm	Potmeter PMG	
	R3	58.01.8103	10 kOhm	Potmeter PMG	
	R4	58.01.8103	10 kOhm	Potmeter PMG	
	R5	58.01.8103	10 kOhm	Potmeter PMG	
	R6			not used	

MANUFACTURER: St=Studer

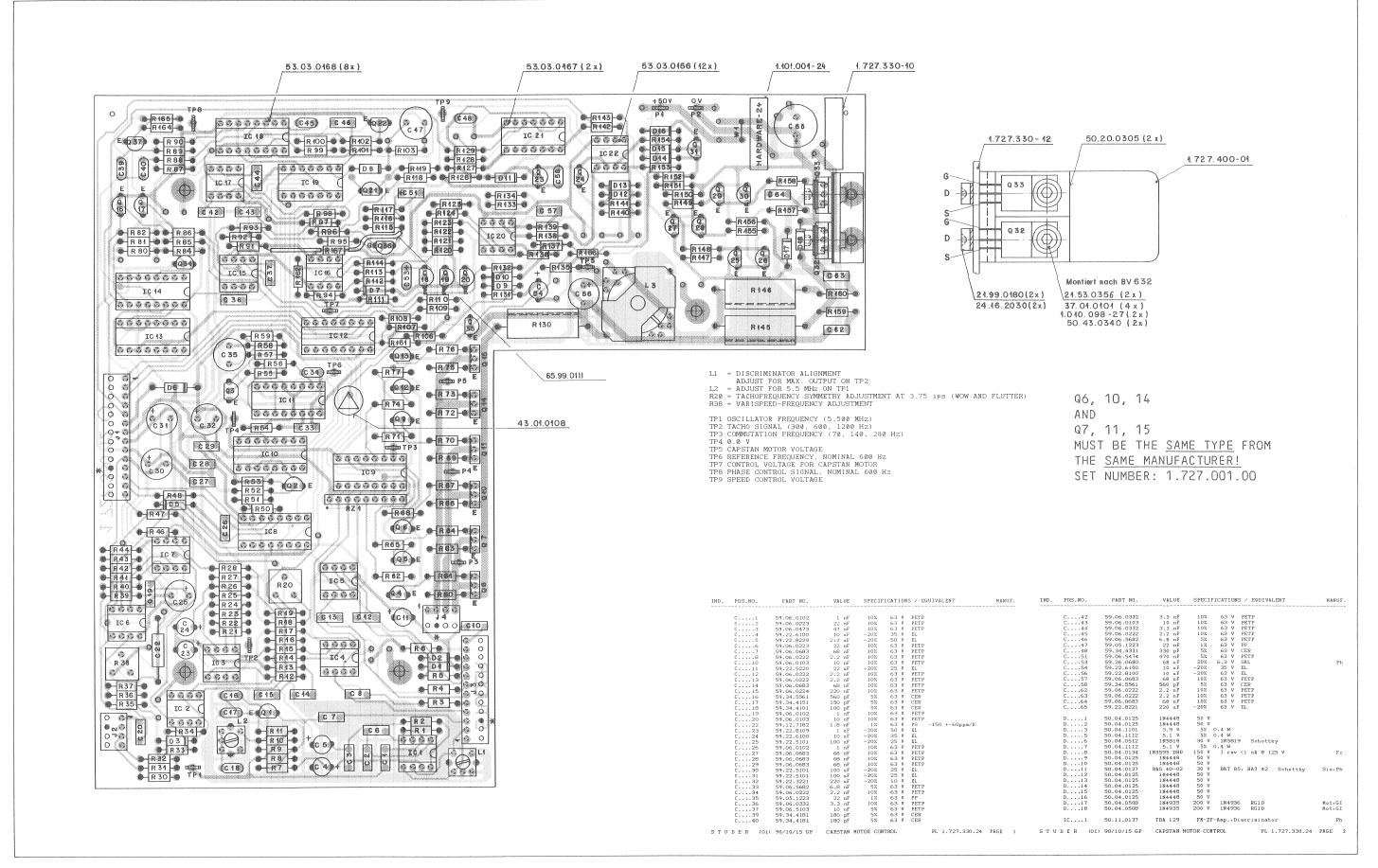
ORIG 86/08/08

S T U D E R (00) 86/08/08 Wth TAPE TENSION ADJ. BOARD PL 1.727.341.00 PAGE 1

CAPSTAN MOTOR CONTROL 1.727.330.24



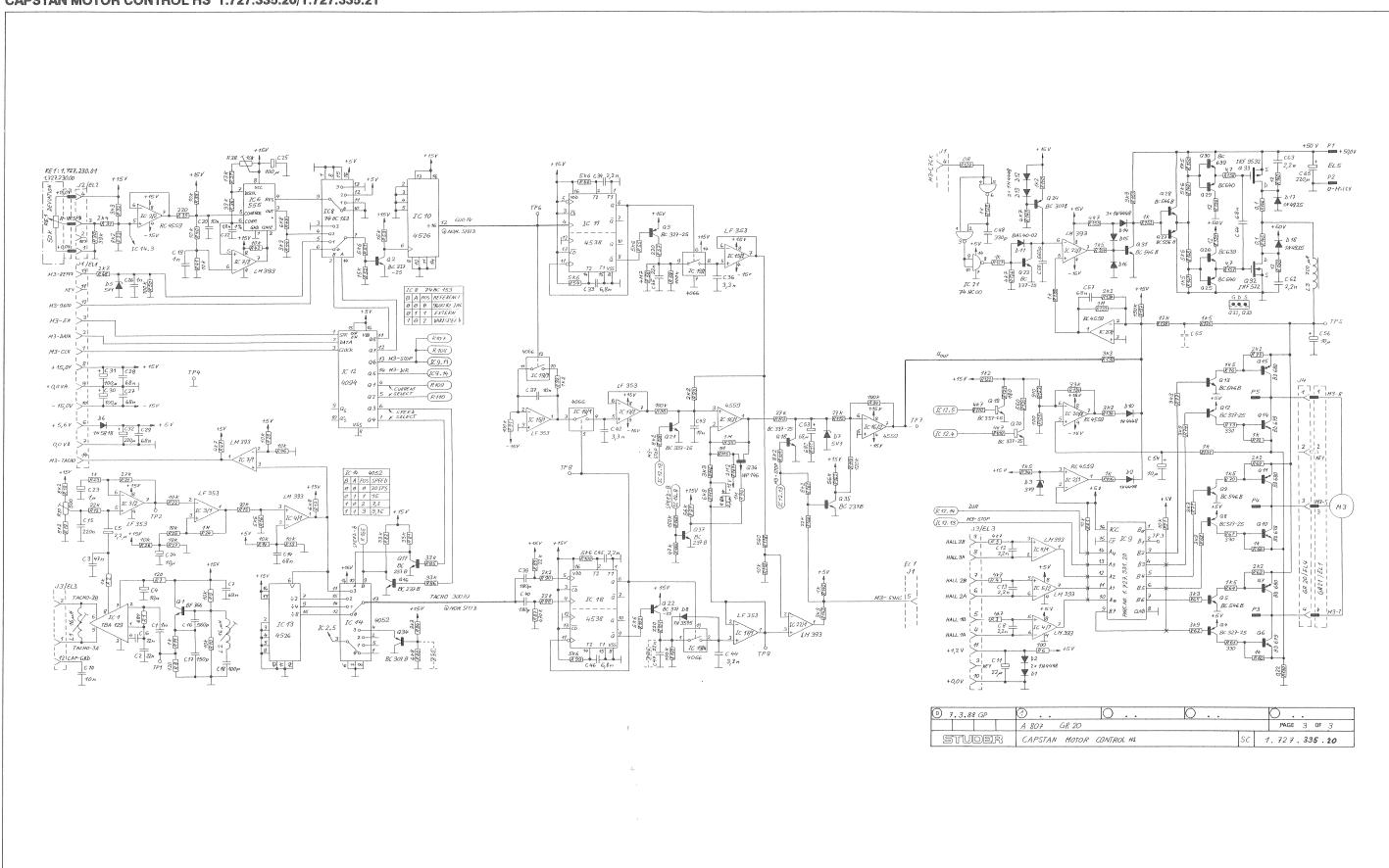
CAPSTAN MOTOR CONTROL 1.727.330.24



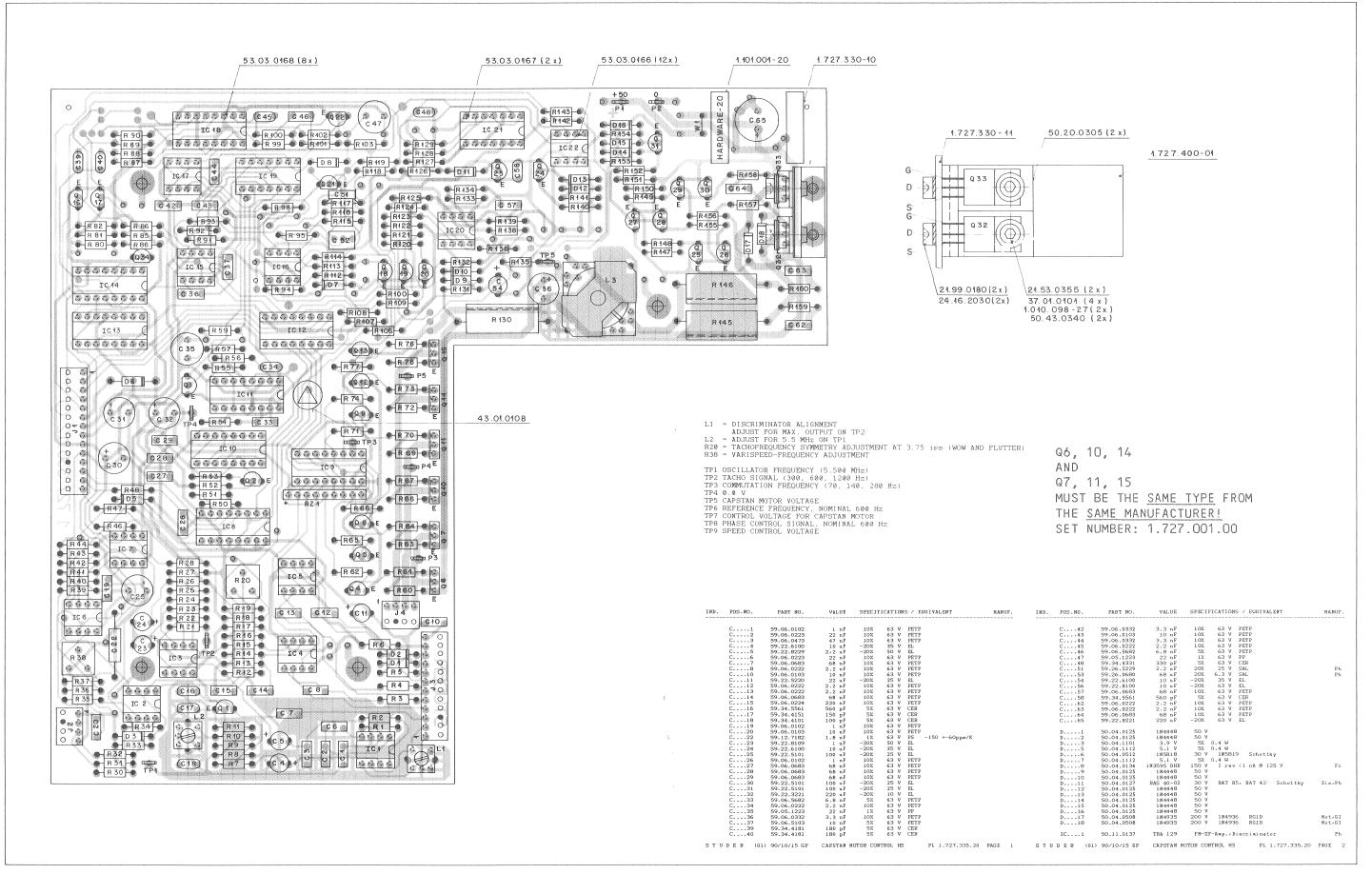
CAPSTAN MOTOR CONTROL 1.727.330.24

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	
IC2 50.09.0107 RC 4559 uPC 4559 Dual Dp.Amp. Rs.NEC IC3 50.09.0101 LF 333 N IL M 393 P Dual Comp. NS.TI IC4 50.05.0283 LM 393 N LM 393 P Dual Comp. NS.TI IC5 50.05.0283 LM 393 N LM 393 P Dual Comp. NS.TI IC6 50.05.0158 NE 555 N LM 555 CN IC7 50.05.0283 LM 393 N LM 393 P Dual Comp. NS.TI IC6 50.05.0283 LM 393 N LM 393 P Dual Comp. NS.TI IC10 50.07.0526 LM 393 N LM 393 P Dual Comp. NS.TI IC11 50.07.0526 LM 393 N LM 393 P Dual Comp. NS.TI IC12 50.07.0526 LM 4538 IC13 50.07.0526 LM 4538 IC14 50.07.0526 LM 4094 IC15 50.09.0101 LF 333 N TL 072 CP Dual Op.Amp. Bi-JFET IC15 50.09.0101 LF 333 N TL 072 CP Dual Op.Amp. Bi-JFET IC16 50.09.0107 RC 4559 IC17 50.09.0101 LF 353 N TL 072 CP Dual Op.Amp. Bi-JFET IC16 50.07.0526 LM 4538 IC12 50.07.0528 LM 393 N LM 393 P Dual Comp. IC20 50.07.0528 LM 393 N LM 393 P Dual Comp. IC21 50.17.1000 74 HC 000 IC22 50.05.0283 LM 393 N LM 393 P Dual Comp. IC21 50.17.1000 T IC22 50.05.0283 LM 393 N LM 393 P Dual Comp. IC21 50.17.1000 T IC22 50.05.0283 LM 393 N LM 393 P Dual Comp. IC21 50.17.1000 T IC22 50.05.0283 LM 393 N LM 393 P Dual Comp. IC21 50.17.1000 T IC22 50.05.0283 LM 393 N LM 393 P Dual Comp. IC21 50.17.1000 T IC22 50.05.0283 LM 393 N LM 393 P Dual Comp. IC21 50.10.0241 d IC21 50.10.0241 d IC21 50.10.0241 d IC21 50.05.0241 d IC21 50.05.0241 d IC22 50.05.0241 d IC23 50.05.0241 d IC24 50.05.0241 d IC25 socket strip IC26 Socket strip IC27 50.05.0241 d IC28 Socket strip IC28 Socket strip IC29 1.002 1 d IC29 1.002 1 d IC29 1.002 1 d IC21 50.0241 d IC21 50.0	R 23	R142 57.11.3102 1 MONE 1X. 0.259. WF R143 57.11.33102 3.3 MONE 1X. 0.259. WF (QD) R145 57.56.5408 0.1 Ohe 10X. 4.0 W, Wire (QD) R145 57.56.5408 0.1 Ohe 10X. 4.0 W, Wire (QD) R146 57.56.5408 0.1 Ohe 10X. 4.0 W, Wire (QD) R147 57.56.5408 0.1 Ohe 10X. 4.0 W, Wire (QD) R148 57.56.5408 0.1 Ohe 10X. 4.0 W, Wire R149 57.11.3152 1.5 MONE 1X. 0.25W, WF R149 57.11.3152 5.6 MONE 1X. 0.25W, WF R150 57.11.3152 1.5 WONE 1X. 0.25W, WF R150 57.11.3152 1.5 WONE 1X. 0.25W, WF R151 57.11.3152 1.5 WONE 1X. 0.25W, WF R152 57.11.3152 1.5 WONE 1X. 0.25W, WF R153 57.11.3472 4.7 MONE 1X. 0.25W, WF R153 57.11.3472 4.7 MONE 1X. 0.25W, WF (QD) R154 57.11.3152 1.5 WONE 1X. 0.25W, WF (QD) R155 57.11.3103 1.1 MONE 1X. 0.25W, WF (QD) R155 57.11.3103 1.1 MONE 1X. 0.25W, WF (QD) R155 57.11.3103 1.1 MONE 1X. 0.25W, WF (QD) R156 57.11.3103 1.1 MONE 1X. 0.25W, WF (QD) R156 57.11.3103 1.2 Uhe 1X. 0.25W, WF (QD) R156 57.11.3103 1.3 Uhe 1X. 0.25W, WF (QD) R156 57.11.3103 1.3 Uhe 1X. 0.25W, WF (QD) R157 57.11.3472 4.7 MONE 1X. 0.25W, WF (QD) R158 57.11.3103 1.3 Uhe 1X. 0.25W, WF (QD) R157 57.11.3473 1.3 Uhe 1X. 0.25W, WF (QD) R158 57.11.3103 1.3 Uhe 1X. 0.25W, WF (QD) R157 57.11.3473 1.3 Uhe 1X. 0.25W, WF (QD) R157 57.11.3473 1.3 Uhe 1X. 0.25W, WF (QD) R158 57.11.3103 1.3 Uhe 1X. 0.25W, WF (QD) R158 57.11.3103 1.3 Uhe 1X. 0.25W, WF R160 57.11.3103 1.2 Uhe 1X. 0.25W, WF R160 57.11.3103 1.3 Uhe 1X. 0.25W, WF R160 57.11.3104 1.3 Uhe 1X. 0.25W, WF R160 57.11.3105 1.	
IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF.	ÍND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENY MANUF.	IND. POS.BO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HARUF.	
MP7	R63 57.11.3222 2.2 kOhm 12, 0.25W, MF R64 57.11.3152 1.5 kOhm 12, 0.25W, MF R65 57.11.33102 1 kOhm 12, 0.25W, MF R66 57.11.33102 1 kOhm 12, 0.25W, MF R66 57.11.33102 1 kOhm 12, 0.25W, MF R67 57.11.3312 330 Ohm 12, 0.25W, MF R68 57.11.3392 3.9 kOhm 12, 0.25W, MF R69 57.11.3392 3.3 kOhm 12, 0.25W, MF R69 57.11.3393 3.3 kOhm 12, 0.25W, MF R71 57.11.3331 330 Ohm 12, 0.25W, MF R72 57.11.3302 1 kOhm 12, 0.25W, MF R73 57.11.3331 330 Ohm 12, 0.25W, MF R73 57.11.3321 3.9 kOhm 12, 0.25W, MF R74 57.11.3322 2.2 kOhm 12, 0.25W, MF R75 57.11.3522 2.2 kOhm 12, 0.25W, MF R75 57.11.3622 6.6 kOhm 12, 0.25W, MF R80 57.11.3682 6.6 kOhm 12, 0.25W, MF R80 57.11.3683 33 kOhm 12, 0.25W, MF R80 57.11.3683 33 kOhm 12, 0.25W, MF R80 57.11.3333 33 kOhm 12, 0.25W, MF R81 57.11.3333 33 kOhm 12, 0.25W, MF R82 57.11.3333 33 kOhm 12, 0.25W, MF R83 57.11.3333 33 kOhm 12, 0.25W, MF R84 57.11.3333 33 kOhm 12, 0.25W, MF R85 57.11.3333 33 kOhm 12, 0.25W, MF R87 57.11.3474 47 kOhm 12, 0.25W, MF R89 57.11.3474 47 kOhm 12, 0.25W, MF R89 57.11.3222 2.2 kOhm 12, 0.25W, MF R89 57.11.3222 2.2 kOhm 12, 0.25W, MF R89 57.11.3222 2.2 kOhm 12, 0.25W, MF R90 57.11.3225 2.2 kOhm 12, 0.25W, MF R90 57.11.3265 5.6 kOhm 12, 0.25W, MF R90 57.11.3563 56 kOhm 12, 0.25W, MF	TF5 54.02.0320 1 Pole Tab TF6 54.02.0320 1 Pole Tab TF6 54.02.0320 1 Pole Tab TF8 54.02.0320 1 Pole Tab TF9 54.02.0320 1 Pole Tab W1 1.010.321.64 Wire Bridge MIC1 53.03.0166 8 Pole IC socket XIC3 53.03.0166 8 Pole IC socket XIC3 53.03.0166 8 Pole IC socket XIC4 53.03.0166 8 Pole IC socket XIC5 53.03.0166 8 Pole IC socket XIC6 53.03.0166 8 Pole IC socket XIC7 53.03.0166 8 Pole IC socket XIC7 35.03.0166 8 Pole IC socket XIC7 35.03.0166 8 Pole IC socket XIC10 53.03.0168 16 Pole IC socket XIC12 53.03.0168 16 Pole IC socket XIC13 53.03.0168 16 Pole IC socket XIC14 53.03.0168 16 Pole IC socket XIC15 53.03.0168 16 Pole IC socket XIC17 53.03.0168 16 Pole IC socket XIC18 53.03.0168 16 Pole IC socket XIC19 53.03.0168 16 Pole IC socket XIC17 53.03.0168 16 Pole IC socket XIC18 53.03.0168 16 Pole IC socket XIC19 53.03.0168 16 Pole IC socket XIC20 53.03.0168 16 Pole IC socket XIC20 53.03.0168 16 Pole IC socket XIC21 53.03.0166 8 Pole IC socket XIC22 53.03.0166 8 Pole IC socket	
	S T U D E R (01) 90/10/15 GF CAPSTAN HOTOR CONTROL PL 1.727.330.24 PAGE 7	S T U D E R (01) 90/10/15 GP CAPSTAN HOTOR CONTROL PL 1.727.330.24 PAGE 10	
ND. POS.NG. PART NO. VALUE SPECIFICATIONS / EQUIVALENT KANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF.	
024	R103 57.11.3104 100 kOhm 11x, 0.25H, NF R106 57.11.3102 1 kOhm 12x, 0.25H, NF R107 57.11.3822 8.2 kOhm 12x, 0.25H, NF R108 57.11.3822 8.2 kOhm 12x, 0.25H, NF R109 57.11.3872 4.7 kOhm 11x, 0.25H, NF R110 57.11.3872 4.7 kOhm 11x, 0.25H, NF R111 57.11.3681 650 Ohm 11x, 0.25H, NF R111 57.11.3681 650 Ohm 11x, 0.25H, NF R111 57.11.3124 120 kOhm 11x, 0.25H, NF R114 57.11.3124 120 kOhm 11x, 0.25H, NF R115 57.11.3124 120 kOhm 11x, 0.25H, NF R115 57.11.3124 120 kOhm 11x, 0.25H, NF R116 57.11.3332 3.3 kOhm 11x, 0.25H, NF R118 57.11.3361 50 Ohm 11x, 0.25H, NF R118 57.11.3861 50 Ohm 11x, 0.25H, NF R118 57.11.3861 50 Ohm 11x, 0.25H, NF R118 57.11.3861 10 kOhm 11x, 0.25H, NF R119 57.11.3861 10 kOhm 11x, 0.25H, NF R121 57.11.3181 180 Ohm 11x, 0.25H, NF R122 57.11.3191 10 Ohm 11x, 0.25H, NF R122 57.11.3191 10 Ohm 11x, 0.25H, NF R122 57.11.3101 10 Ohm 11x, 0.25H, NF R124 57.11.3101 10 Ohm 11x, 0.25H, NF R125 57.11.3102 1 kOhm 11x, 0.25H, NF R129 57.11.3102 1 kOhm 11x	(01) 15.10.90 Fuse resistors implemented. Note 1 - For excellent wow and flutter values at 3.75 ips the NPN - respective the FNP - Transistors should be from the same nanufacturer. MATERIALS: CER = Ceramic,	

CAPSTAN MOTOR CONTROL HS 1.727.335.20/1.727.335.21



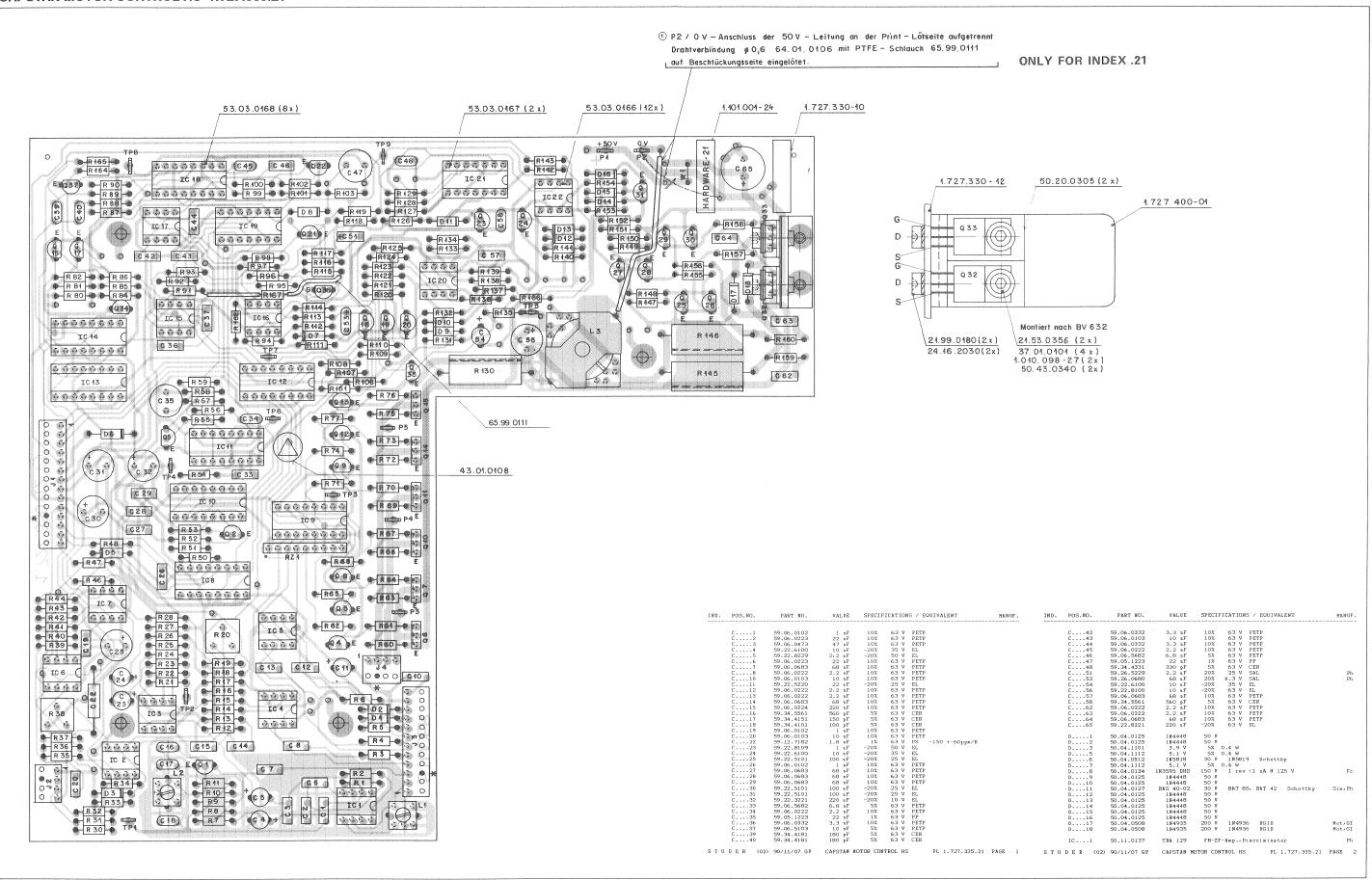
CAPSTAN MOTOR CONTROL HS 1.727.335.20



CAPSTAN MOTOR CONTROL HS 1.727.335.20

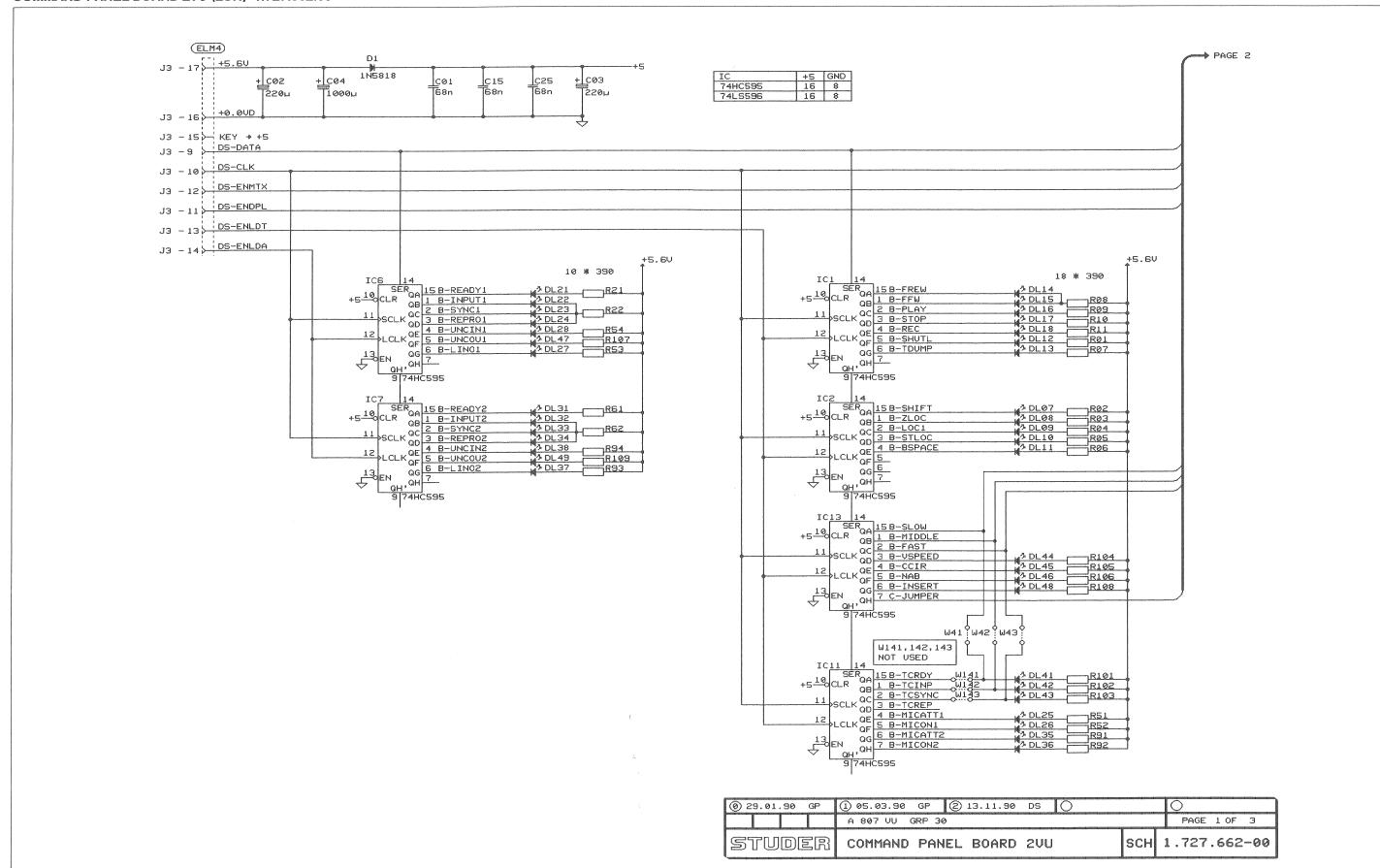
				n en
		IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.		
	IC2 50.09.0107 RC 4559 TC 072 CF Dual 0p.Asp. Bi-JFET RS.TI R	R 24 57.11.3105 1 NOha 1% 0.25% NF R 25 57 11.3103 10 KOha 1% 0.25% NF R 26 57.11.3103 10 KOha 1% 0.25% NF R 27 57.11.3103 10 KOha 1% 0.25% NF R 28 57.11.3103 30 10 KOha 1% 0.25% NF R 30 57.11.3393 39 KOha 1% 0.25% NF R 31 57.11.3393 39 KOha 1% 0.25% NF R 32 57.11.332 3.3 KOha 1% 0.25% NF R 32 57.11.332 15 KOha 1% 0.25% NF R 33 57.11.332 15 KOha 1% 0.25% NF R 34 57.11.3152 1.5 KOha 1% 0.25% NF R 35 57.11.333 30 KOha 1% 0.25% NF R 35 57.11.333 30 KOha 1% 0.25% NF R 35 57.11.3103 10 KOha 1% 0.25% NF R 39 57.11.3103 10 KOha 1% 0.25% NF R 39 57.11.3103 10 KOha 1% 0.25% NF R 41 57.11.3103 10 KOha 1% 0.25% NF R 41 57.11.3103 10 KOha 1% 0.25% NF R 41 57.11.3103 10 KOha 1% 0.25% NF R 43 57.11.3313 30 KOha 1% 0.25% NF R 41 57.11.3103 10 KOha 1% 0.25% NF R 41 57.11.3103 10 KOha 1% 0.25% NF R 43 57.11.362 6.8 KOha 1% 0.25% NF R 43 57.11.362 6.8 KOha 1% 0.25% NF R 44 57.11.3104 10 KOha 1% 0.25% NF R 45 57.11.3104 10 KOha 1% 0.25% NF R 46 57.11.3104 10 KOha 1% 0.25% NF R 55 57.11.352 15 KOha 1% 0.25% NF R 56 57.11.352 15 KOha 1% 0.25% NF R 57 57.11.352 11 KOha 1% 0.25% NF R 58 57.11.352 11 KOha 1% 0.25% NF R 59 57.11.352 11 KOha 1% 0.25% NF R 50 57.11.352 11 KOha 1% 0.25% NF R 50 57.11.352 11 KOha 1% 0.25% NF R 50 57.11.352 11 KOha 1% 0.25% NF	R142 57.11.3102 1 kOhm 1% 0.25% MF 1% 0	
C. 24 DO.03.035 NC 207 B NC 507 B NC 50	NP	R63 57.11.3122 2.2 kOhm 11x, 0.25M, MF R64 57.11.3132 1.5 kOhm 11x, 0.25M, MF R65 57.11.3332 3.3 kOhm 11x, 0.25M, MF R66 57.11.3332 3.3 kOhm 11x, 0.25M, MF R67 57.11.3132 1.5 kOhm 11x, 0.25M, MF R69 57.11.3392 3.9 kOhm 11x, 0.25M, MF R69 57.11.3392 3.9 kOhm 11x, 0.25M, MF R70 57.11.3152 1.5 kOhm 11x, 0.25M, MF R71 57.11.3312 3.3 kOhm 11x, 0.25M, MF R72 57.11.3312 1.5 kOhm 11x, 0.25M, MF R73 57.11.3312 1.5 kOhm 11x, 0.25M, MF R74 57.11.3392 3.9 kOhm 11x, 0.25M, MF R75 57.11.3312 2.2 kOhm 11x, 0.25M, MF R75 57.11.3312 3.9 kOhm 11x, 0.25M, MF R75 57.11.3322 3.9 kOhm 11x, 0.25M, MF R75 11.3333 33 kOhm 11x, 0.25M, MF R81 57.11.3333 33 kOhm 11x, 0.25M, MF R81 57.11.3333 33 kOhm 11x, 0.25M, MF R81 57.11.3333 33 kOhm 11x, 0.25M, MF R84 57.11.3333 33 kOhm 11x, 0.25M, MF R85 57.11.3333 33 kOhm 11x, 0.25M, MF R86 57.11.3333 33 kOhm 11x, 0.25M, MF R86 57.11.3333 33 kOhm 11x, 0.25M, MF R86 57.11.3332 3.3 kOhm 11x, 0.25M, MF R86 57.11.3332 3.3 kOhm 11x, 0.25M, MF R86 57.11.3332 3.3 kOhm 11x, 0.25M, MF R86 57.11.3322 2.2 kOhm 11x, 0.25M, MF R86 57.11.3322 2.2 kOhm 11x, 0.25M, MF R87 57.11.3474 (10 kOhm 11x, 0.25M, MF R89 57.11.3322 2.2 kOhm 11x, 0.25M, MF R89 57.11.3322 2.2 kOhm 11x, 0.25M, MF R99 57.11.3122 2.2 kOhm 11x, 0.25M, MF	TP5 54.02.0330 1 Pale Tab TP5 54.02.0320 1 Pale Tab TP5 54.02.0320 1 Pale Tab TP6 54.02.0320 1 Pale Tab W1 1.010.321.64 Wire Bridge XIC1 53.03.0166 8 Pale IC wocket XIC3 53.03.0166 8 Pale IC wocket XIC4 53.03.0166 8 Pale IC wocket XIC5 53.03.0166 8 Pale IC wocket XIC6 53.03.0166 8 Pale IC wocket XIC6 53.03.0166 8 Pale IC wocket XIC6 53.03.0166 8 Pale IC wocket XIC7 53.03.0166 8 Pale IC wocket XIC8 53.03.0166 8 Pale IC wocket XIC9 53.03.0166 8 Pale IC wocket XIC10 53.03.0168 16 Pale IC wocket XIC21 53.03.0166 8 Pale IC wocket XIC22 53.03.0166 8 Pale IC wocket XIC22 53.03.0166 8 Pale IC wocket	
526 50.05.05				
STUDER (01) 90/10/15 GP CAPSTAN MOTOR CONTROL HS PL 1.727.335.20 PAGE 5 STUDER (01) 90/10/15 GP CAPSTAN MOTOR CONTROL HS PL 1.727.335.20 PAGE 11	024 50.03.0515 BC 307 B BC 560 B PNF 025 50.03.0515 BC 630 026 50.03.0515 BC 630 027 50.03.0515 BC 639 027 50.03.0519 BC 639 030 50.03.0515 BC 639 031 50.03.0515 BC 639 032 50.03.0515 BC 639 032 50.03.0515 BC 639 034 50.03.0515 BC 639 035 50.03.0515 BC 639 036 50.03.0515 BC 639 037 50.03.0515 BC 639 037 50.03.0515 BC 637 B BC 566 B PNF 038 50.03.0515 BC 637 B BC 566 B PNF 035 50.03.0515 BC 637 B BC 557 B BC 560 B PNF 035 50.03.032 WF 146 035 50.03.032 WF 146 037 50.03.035 BC 307 B BC 557 B BC 550 B PNF 038 50.03.032 WF 146 039 50.03.032 WF 146 039 50.03.035 BC 307 B BC 557 B BC 550 B PNF 037 50.03.035 BC 307 B BC 557 B BC 550 B PNF 038 50.03.032 WF 146 039 50.03.035 BC 307 B BC 550 B PNF 039 50.11.310 1 kOhn 1% 0.25% WF BC 550 B PNF 039 57.11.312 1 loon 1% 0.25% WF BC 550 B PNF 039 57.11.312 1 loon 1% 0.25% WF BC 550 B PNF 030 57.11.3103 1 loon 1% 0.25% WF BC 550 B PNF 030 57.11.3103 1 loon 1	R103	Note 1 - For excellent wow and flutter values at 3.75 ips the NPN - respective the PNP - Transistors should be from the mase manufacturer. MATERIALS: CER = Ceramic, EL = Electrolytic, MF = Metalfilm PFTP = Polygesterfoil, PS = Polyestyrol. PP = Polygropylen MANUFACTURER: AMP = AMP I moreoprorted Ph = Philips PT = Fairchild Ra = Raythan Ra	

CAPSTAN MOTOR CONTROL HS 1.727.335.21

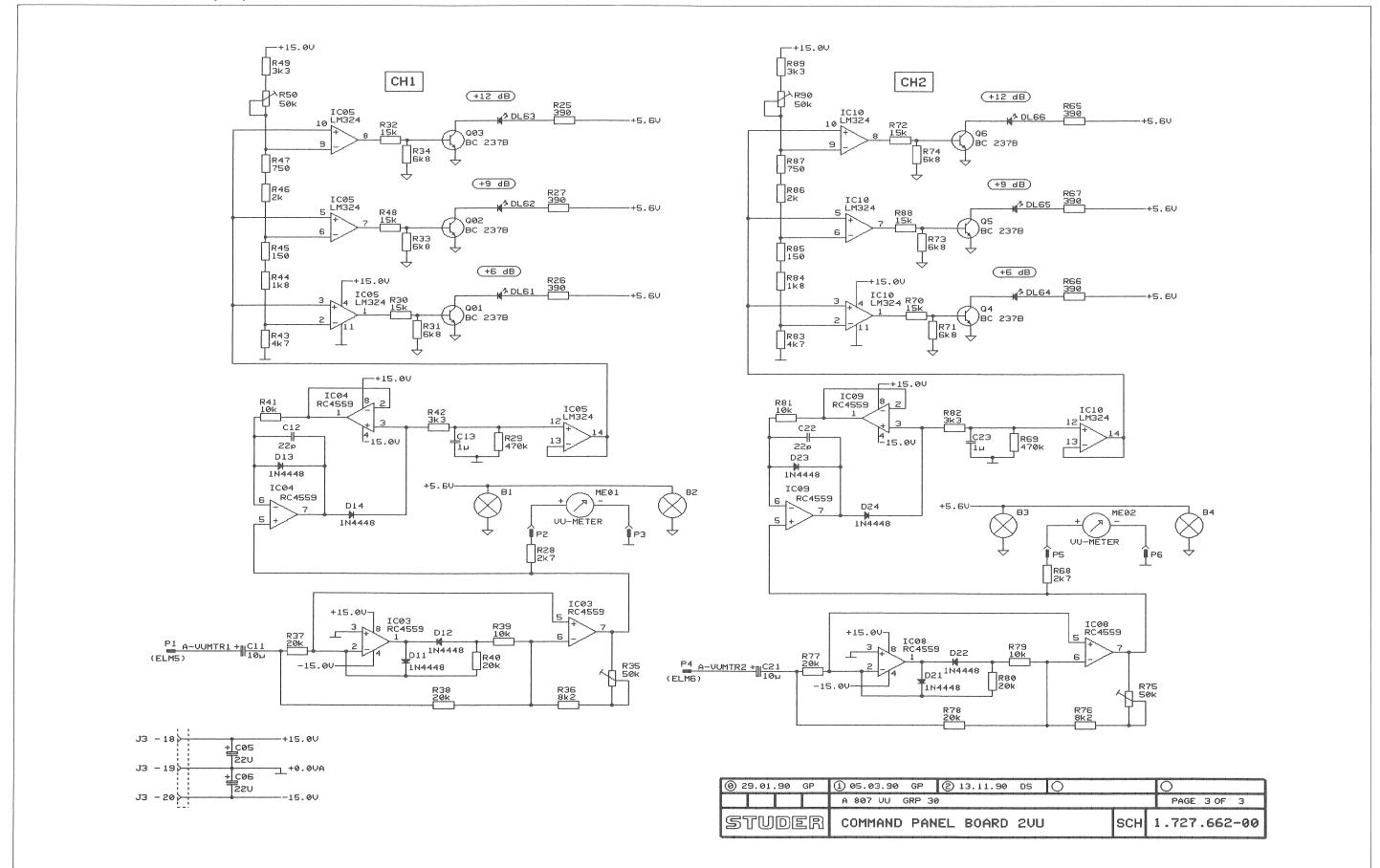


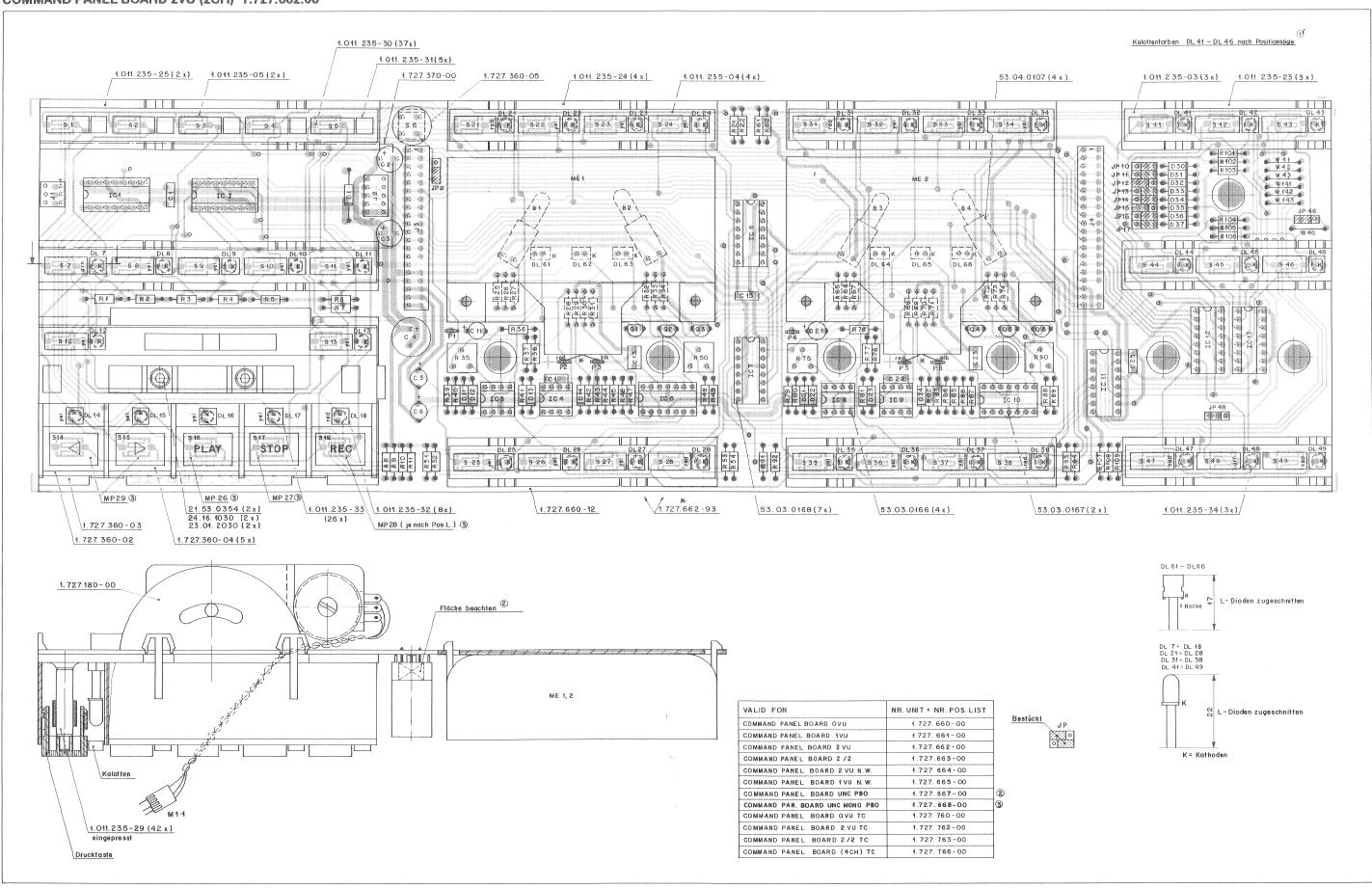
CAPSTAN MOTOR CONTROL HS 1.727.335.21

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	IC2 50.09.0107 RC 4559 UPC 4559 Dual Op.Amp. Ra.NEC 1C3 50.09.0101 LF 353 N TL 072 CP Dual Op.Amp. Bi-JFET 85.711 RC4 50.05.0283 LM 393 N LM 393 P Dual Comp. R5.711 RC5 50.05.0283 LM 393 N LM 393 P Dual Comp. R5.711 RC6 50.05.0283 LM 393 N LM 393 P Dual Comp. R5.711 RC6 50.05.0283 LM 393 N LM 393 P Dual Comp. R5.711 RC7 50.05.0283 LM 393 N LM 393 P Dual Comp. R5.711 RC7 50.05.05.0283 LM 393 N LM 393 P Dual Comp. R5.711 RC7 50.05.05.0283 LM 393 N LM 393 P Dual Comp. R5.711 RC9 50.05.0206 LM 393 N LM 393 P Dual Comp. R5.711 RC9 50.05.0206 LM 393 N LM 393 P Dual Comp. R5.711 RC10 50.07.0536 .4.4526 R5.00 RC R5.00 R5.00 RC R5.00	R22 57.11.3103 10 kOhm 1% 0.25W, MF R23 57.11.3103 1 kOhm 1% 0.25W, MF R24 57.11.3103 1 kOhm 1% 0.25W, MF R25 57.11.3103 10 kOhm 1% 0.25W, MF R26 57.11.3103 10 kOhm 1% 0.25W, MF R27 57.11.3103 10 kOhm 1% 0.25W, MF R27 57.11.3103 10 kOhm 1% 0.25W, MF R28 57.11.3103 10 kOhm 1% 0.25W, MF R30 57.11.3393 39 kOhm 1% 0.25W, MF R31 57.11.3324 2.4 kOhm 1% 0.25W, MF R32 57.11.3333 3.3 kOhm 1% 0.25W, MF R32 57.11.3333 3.3 kOhm 1% 0.25W, MF R33 57.11.3332 3.3 kOhm 1% 0.25W, MF R34 57.11.3152 1.5 kOhm 1% 0.25W, MF R35 57.11.3133 31 kOhm 1% 0.25W, MF R37 57.11.3133 31 kOhm 1% 0.25W, MF R39 57.11.3103 10 kOhm 1% 0.25W, MF R39 57.11.3103 10 kOhm 10% 0.55W, CERFET, lin. Triampot. R39 57.11.3103 10 kOhm 10% 0.55W, MF R41 57.11.3103 10 kOhm 1% 0.25W, MF R41 57.11.3103 10 kOhm 1% 0.25W, MF R42 57.11.3103 10 kOhm 1% 0.25W, MF R43 57.11.3103 10 kOhm 1% 0.25W, MF R44 57.11.3103 10 kOhm 1% 0.25W, MF R45 57.11.3103 10 kOhm 1% 0.25W, MF R47 57.11.3103 10 kOhm 1% 0.25W, MF R48 57.11.3103 10 kOhm 1% 0.25W, MF R49 57.11.3103 10 kOhm 1% 0.25W, MF R40 57.11.3103 10 kOhm 1% 0.25W, MF R41 57.11.3103 10 kOhm 1% 0.25W, MF R42 57.11.3103 10 kOhm 1% 0.25W, MF R43 57.11.3103 10 kOhm 1% 0.25W, MF R44 57.11.3103 10 kOhm 1% 0.25W, MF R47 57.11.3103 10 kOhm 1% 0.25W, MF R48 57.11.3103 10 kOhm 1% 0.25W, MF R49 57.11.3103 10 kOhm 1% 0.25W, MF R40 57.11.3103 10 kOhm 1% 0.25W, MF R41 57.11.3103 10 kOhm 1% 0.25W, MF R45 57.11.3103 10 kOhm 1% 0.25W, MF R45 57.11.3104 100 kOhm 1% 0.25W, MF R47 57.11.3105 15 kOhm 1% 0.25W, MF R50 57.11.3104 100 kOhm 1% 0.25W, MF R51 57.11.3104 100 kOhm 1% 0.25W, MF R52 57.11.3105 15 kOhm 1% 0.25W, MF R53 57.11.3105 15 kOhm 1% 0.25W, MF R54 57.11.3104 100 kOhm 1% 0.25W, MF R55 57.11.3104 100 kOhm 1% 0.25W, MF R59 57.11.31	R141 57.11.3472 4.7 kOhm 1X. 0.259, WF R142 57.11.3102 1 kOhm 1X. 0.259, WF R143 57.11.3302 1 kOhm 1X. 0.259, WF R143 57.11.3302 1 kOhm 1X. 0.259, WF GOD R145 57.55.5108 0.1 Ohm 10X. 4.0 W, Wire GOD R145 57.55.5108 0.1 Ohm 10X. 4.0 W, Wire GOD R146 57.55.5108 0.1 Ohm 10X. 4.0 W, Wire GOD R146 57.15.5108 0.1 Ohm 10X. 4.0 W, Wire R148 57.11.3552 5.6 kOhm 1X. 0.259, WF R149 57.11.3562 5.6 kOhm 1X. 0.259, WF R149 57.11.3562 5.6 kOhm 1X. 0.259, WF R149 57.11.3102 1.5 kOhm 1X. 0.259, WF R150 57.11.3102 1.5 kOhm 1X. 0.259, WF R151 57.11.3102 1.5 kOhm 1X. 0.259, WF R153 57.11.3102 1 kOhm 1X. 0.259, WF R153 57.11.3102 1 kOhm 1X. 0.259, WF R154 57.11.3102 1 kOhm 1X. 0.259, WF R155 57.11.3102 1 kOhm 1X. 0.259, WF GOD R156 57.11.3102 1 kOhm 1X. 0.259, WF GOD R157 57.11.3102 1 kOhm 1X. 0.259, WF GOD R158 57.11.3102 1 kOhm 1X. 0.259, WF GOD R157 57.11.3102 1 kOhm 1X. 0.259, WF GOD R158 57.11.3103 1 kOhm 1X. 0.259, WF GO
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923 50.0).030 E 377-25 E 578 B 50.0).030 E 377-25 E 578 B 50.0).030 FE 577 B 50.00 FE 578 B 5	MP 8 1.010.096.27 2 pes Distance socket D3.1/7.0 × 2.3 St MP 10 1.727.335.10 1 pec Mo. label MP 12 1.727.335.10 1 pec Mo. label MP 13 1.101.001.20 1 pec Mo. label MP 13 1.101.001.20 1 pec Mo. label MP 13 1.101.001.20 1 pec Mo. label MP 14 1.001.001.20 1 pec Mo. label MP 15 St MP 15 1.001.001.20 1 pec Mo. label Mo. label MP 15 MP 15 MP 16 MP 16 MP 17 MP 17 MP 18 MP	R63 57.11.3222 2.2 kOhm 17. 0.25W MF R65 57.11.3323 3.3 kOhm 17. 0.25W MF R66 57.11.3332 3.3 kOhm 17. 0.25W MF R66 57.11.3332 3.3 kOhm 17. 0.25W MF R66 57.11.3392 3.9 kOhm 17. 0.25W MF R68 57.11.3392 3.9 kOhm 17. 0.25W MF R69 57.11.3392 3.9 kOhm 17. 0.25W MF R70 57.11.3152 1.5 kOhm 17. 0.25W MF R70 57.11.3152 1.5 kOhm 17. 0.25W MF R71 57.11.3392 3.3 kOhm 17. 0.25W MF R72 57.11.3392 3.3 kOhm 17. 0.25W MF R73 57.11.3392 3.9 kOhm 17. 0.25W MF R74 57.11.3392 3.9 kOhm 17. 0.25W MF R77 57.11.3393 3.9 kOhm 17. 0.25W MF R77 57.11.3393 3.9 kOhm 17. 0.25W MF R77 57.11.3333 3.3 kOhm 17. 0.25W MF R79 57.11.3333 3.3 kOhm 17. 0.25W MF R71 57.11.3333 3.3 kOhm 17. 0.25W MF R71 57.11.3333 3.3 kOhm 17. 0.25W MF R71 57.11.3332 3.3 kOhm 17. 0.25W MF R71 57.11.3333 3.3 kOhm 17. 0.25W MF R71 57.11.3332 3.3 kOhm 17. 0.25W MF R72 57.11.3332 3.3 kOhm 17. 0.25W MF R73 57.11.3322 3.3 kOhm 17. 0.25W MF R	TP5 54.02.0320 1 Pele Tab TP7 54.02.0320 1 Pele Tab TP7 54.02.0320 1 Pele Tab TP7 54.02.0320 1 Pele Tab TP9 55.03.0166 8 Pele IC cocket TP9 55.03.0166 16 Pele IC cocket TP9 55.05.0166 1
R21 57.11.3273 27 kOha 17.0.2597 MF R140 57.11.3122 1.2 kOha 17.0.2597 MF GRIG 68/03/21 (01) 90/10/15 (02) 90/11/07	D23	R102 57.11.3562 5.6 kOhm 17. 0.25W, MF R103 57.11.3102 10 kOhm 17. 0.25W, MF R106 57.11.3102 1 kOhm 17. 0.25W, MF R106 57.11.3102 1 kOhm 17. 0.25W, MF R108 57.11.3102 1 kOhm 17. 0.25W, MF R109 57.11.3472 4.7 kOhm 17. 0.25W, MF R110 57.11.3472 4.7 kOhm 17. 0.25W, MF R111 57.11.3681 680 Ohm 17. 0.25W, MF R111 57.11.3681 680 Ohm 17. 0.25W, MF R111 57.11.3273 27 kOhm 17. 0.25W, MF R113 57.11.3273 27 kOhm 17. 0.25W, MF R114 57.11.3105 1 kOhm 17. 0.25W, MF R115 57.11.3105 1 kOhm 17. 0.25W, MF R116 57.11.3105 1 kOhm 17. 0.25W, MF R117 57.11.3105 1 kOhm 17. 0.25W, MF R118 57.11.3561 500 Ohm 17. 0.25W, MF R119 57.11.3105 1 kOhm 17. 0.25W, MF R119 57.11.3105 1 kOhm 17. 0.25W, MF R119 57.11.3105 1 kOhm 17. 0.25W, MF R119 57.11.3106 1 kOhm 17. 0.25W, MF R120 57.11.311 1861 180 Ohm 17. 0.25W, MF R121 57.11.312 1.2 kOhm 17. 0.25W, MF R122 57.11.312 1.2 kOhm 17. 0.25W, MF R124 57.11.3333 33 kOhm 17. 0.25W, MF R125 57.11.3100 1 kOhm 17. 0.25W, MF R126 57.11.3100 1 kOhm 17. 0.25W, MF R127 57.11.3100 1 kOhm 17. 0.25W, MF R128 57.11.3100 1 kOhm 17. 0.25W, MF R129 57.11.3100 1 kOhm 17. 0.25W, MF R120 57.11.3100 1 kOhm 17. 0.25W, MF R121 57.11.3100 1 kOhm 17. 0.25W, MF R122 57.11.3100 1 kOhm 17. 0.25W, MF R123 57.11.3100 1 kOhm 17. 0.25W, MF R124 57.11.3100 1 kOhm 17. 0.25W, MF R125 57.11.3100 1 kOhm 17. 0.25W, MF R126 57.11.3100 1 kOhm 17. 0.25W, MF R127 57.11.3100 1 kOhm 17. 0.25W, MF R128 57.11.3100 1 kOhm 17. 0.25W, MF R129 57.11.3100 1 kOhm 17. 0.25W, MF R131 57.11.3100 1 kOhm 17. 0.25W, MF R131 57.11.3100 1 kOhm 17. 0.25W, MF R131 57.11.3100 1 kOhm 17. 0.25W, MF R133 57.11.3105 1 kOhm 17. 0.25W, MF R133 57.11.3105 1 kOhm 17. 0.25W, MF R133 57.11.3105 1 kOhm 17. 0.25W, MF R134 57.11.3303 1 kOhm 17. 0.25W, MF R135 57.11.3105 1 kOhm 17. 0.25W, MF R136 57.11.3105 1 kOhm 17. 0.25W, MF R137 57.11.3302 1 kOhm 17. 0.25W, MF R138 57.11.3302 1 kOhm 17. 0.25W, MF R139 57.11.3302 1 kOhm	(O1) 15.10.30 Fure resistors implemented. (O2) 07.11.90 Transistor type changed. Note 1 - For excellent wow and flutter values at 3.75 ips the NPH - respective the PPF - Transistors should be from the same manufacturer. MATERIALS: CER = Coranic



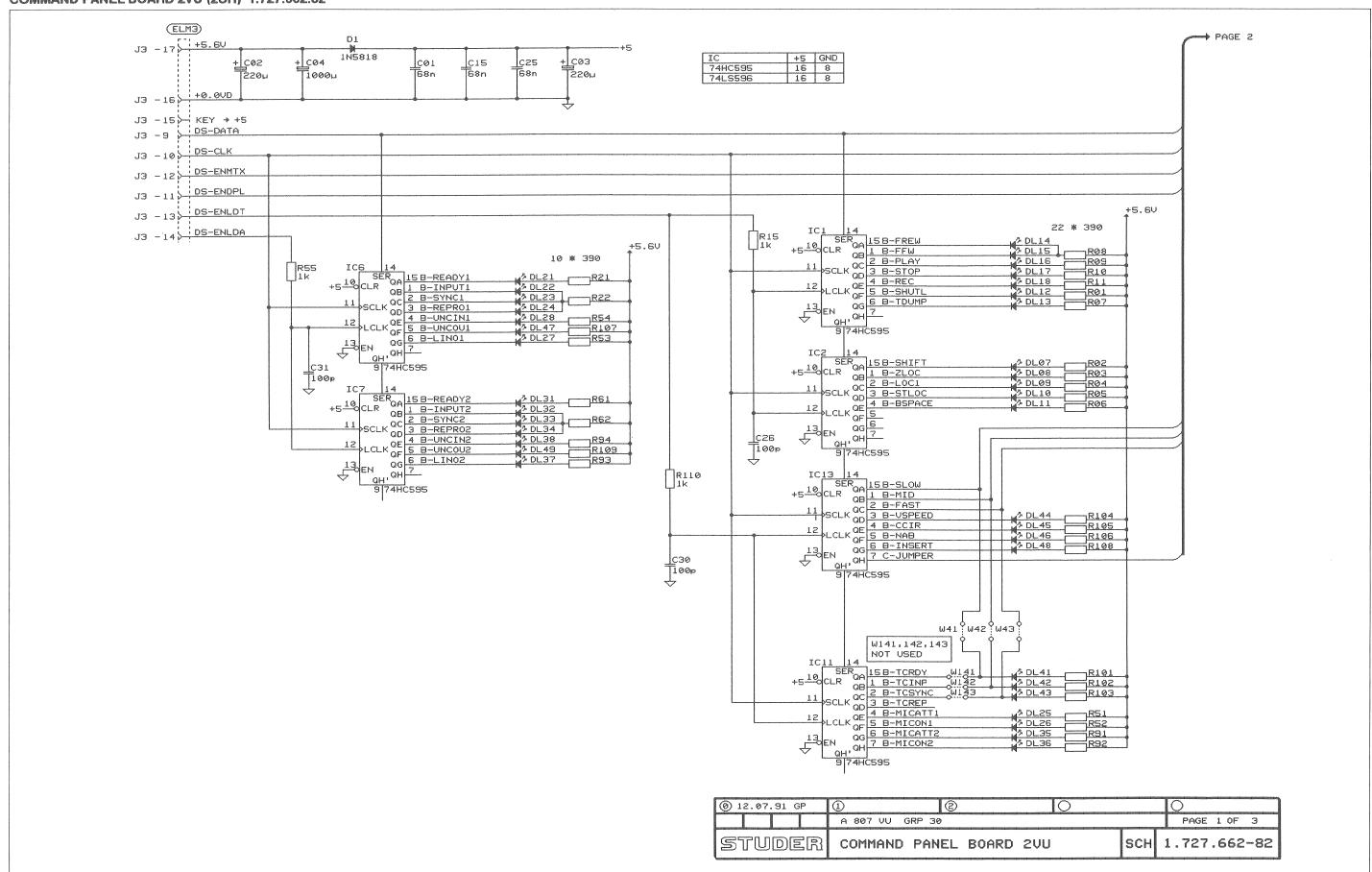
COMMAND PANEL BOARD 2VU (2CH) 1.727.662.00 PAGE 1 4 DS-DATA DS-CLK DS-ENMTX DS-ENDPL J2 J2 J2 J2 J2 -1 -2 -3 -4 -5 +0.0VD 5 10 (ELM1) B-FAST J1 -1 J1 -2 J1 -3 CLEAR sčLk LČĽK он, <u>а</u> DISPLAY BOARD SER IC12 74LS596 B-MID 1.727.370.00 GRP31 QG QH B-SLOW C-JUMPER D37 JP17 READY1 REPRO1 UNCOU1 547 INPUT1 UNCIN1 MICON1 SYNC1 LINON1 (ELM4) S24 526 526 INPUT2 SES Y SYNC2 S33 REPRO2 UNCOU2 549 SAIDAN LINONZ MICONZ SM-D6 ; J3 - 7 J4 -7 D35 JP15 MICAT1 545 S25 SM-D5 : J3 -6 J4 -6 W46_ MICATZ S35 S46 NAB SM-D4 | J3 -5 J4 -5 SLOW S41 D33 JP13 SET SØ3 STEP SØ5 RESET VARISPD 504 Sez ~ADJUST SM-D3 | J3 -4 J4 -4 JP48 LOCSTRT S10 ZEROLOC 508 LOC 1 509 SHUTTLE 512 MIDDLE S42 **BSPACE** S11 INSERT SM-DZ ↓ J3 -3 J4 -3 PLAY 516 FFWD TDUMP 513 STOP FAST S15 SM-D1 ↓ J3 -2 J4 -2 D30 JP10 SM-D0 | J3 -1 J4 −1 > J4 -20 -+5.6V J4 -19 -+0.0VD J4 -18 -- KEY MRX-B MRX-C MRX-D MRX-A MRX-E MRX-F MRX-G MRX-H J4 J4 J4 J4 J4 J4 J4 -15 -16 @ 29.01.90 GP ① 05.03.90 DS ② 13.11.90 DS 〇 A 807 VU GRP 30 PAGE 2 OF 3 STUDER COMMAND PANEL BOARD 2UU SCH 1.727.662-00

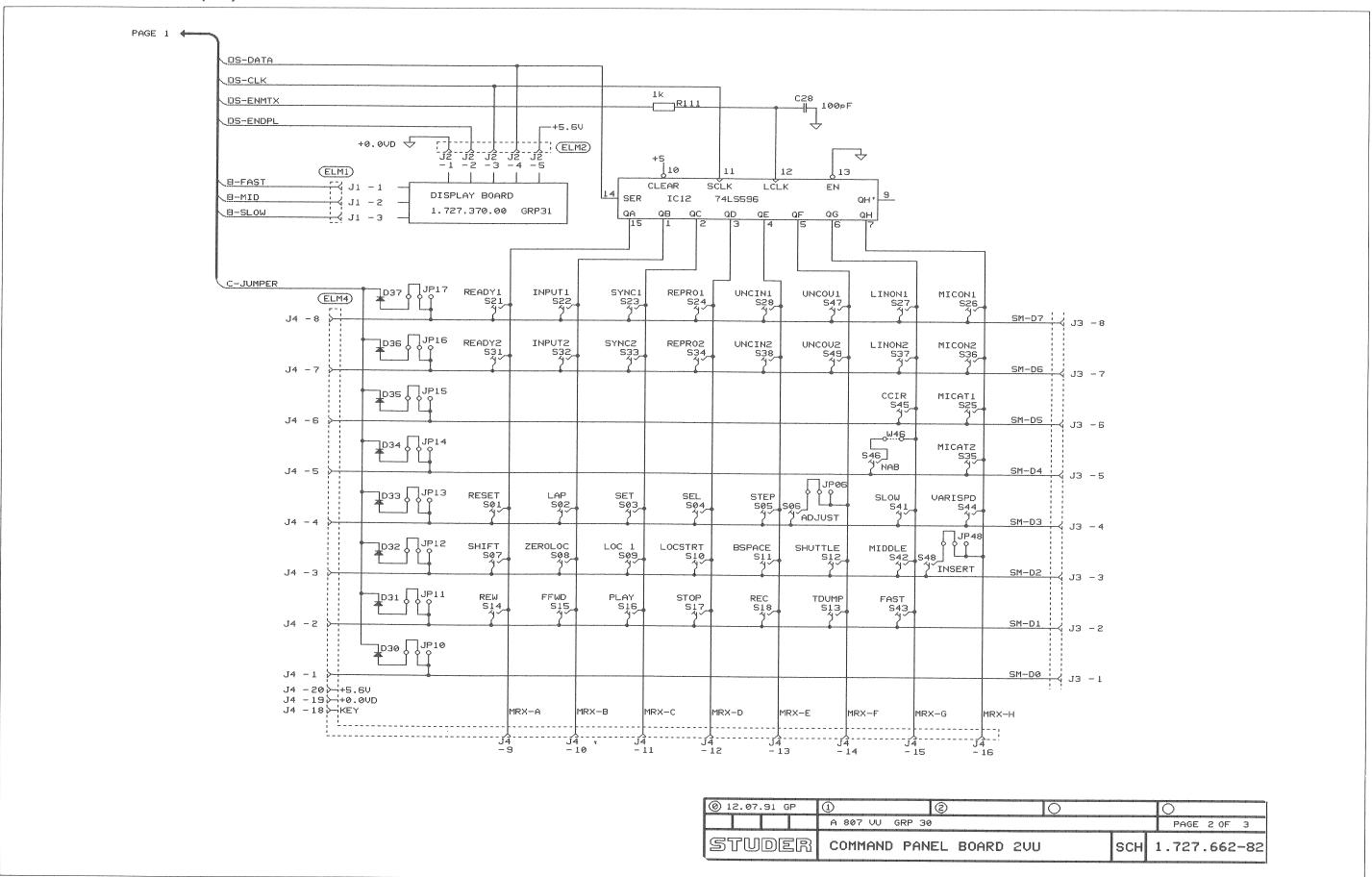


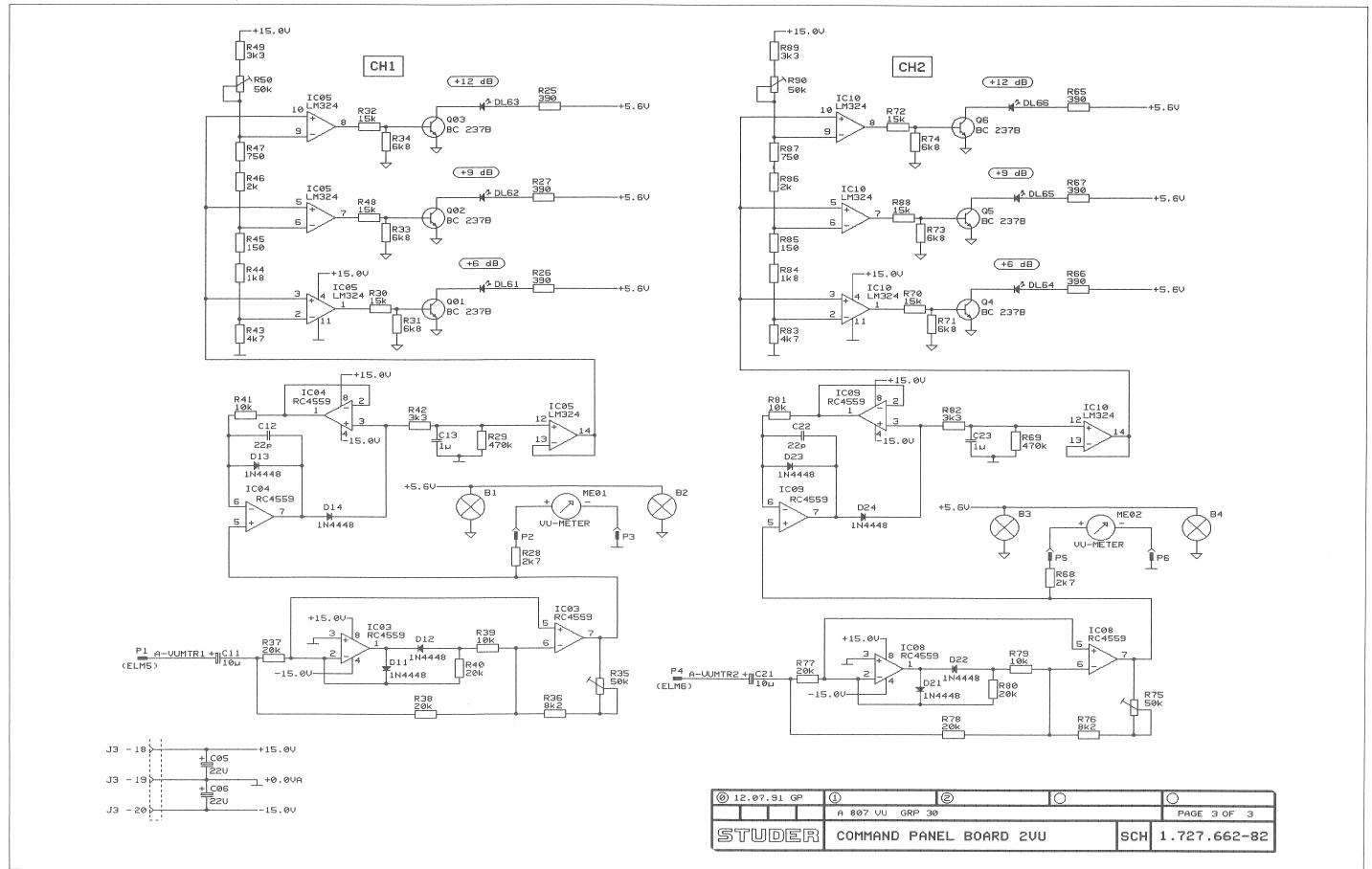


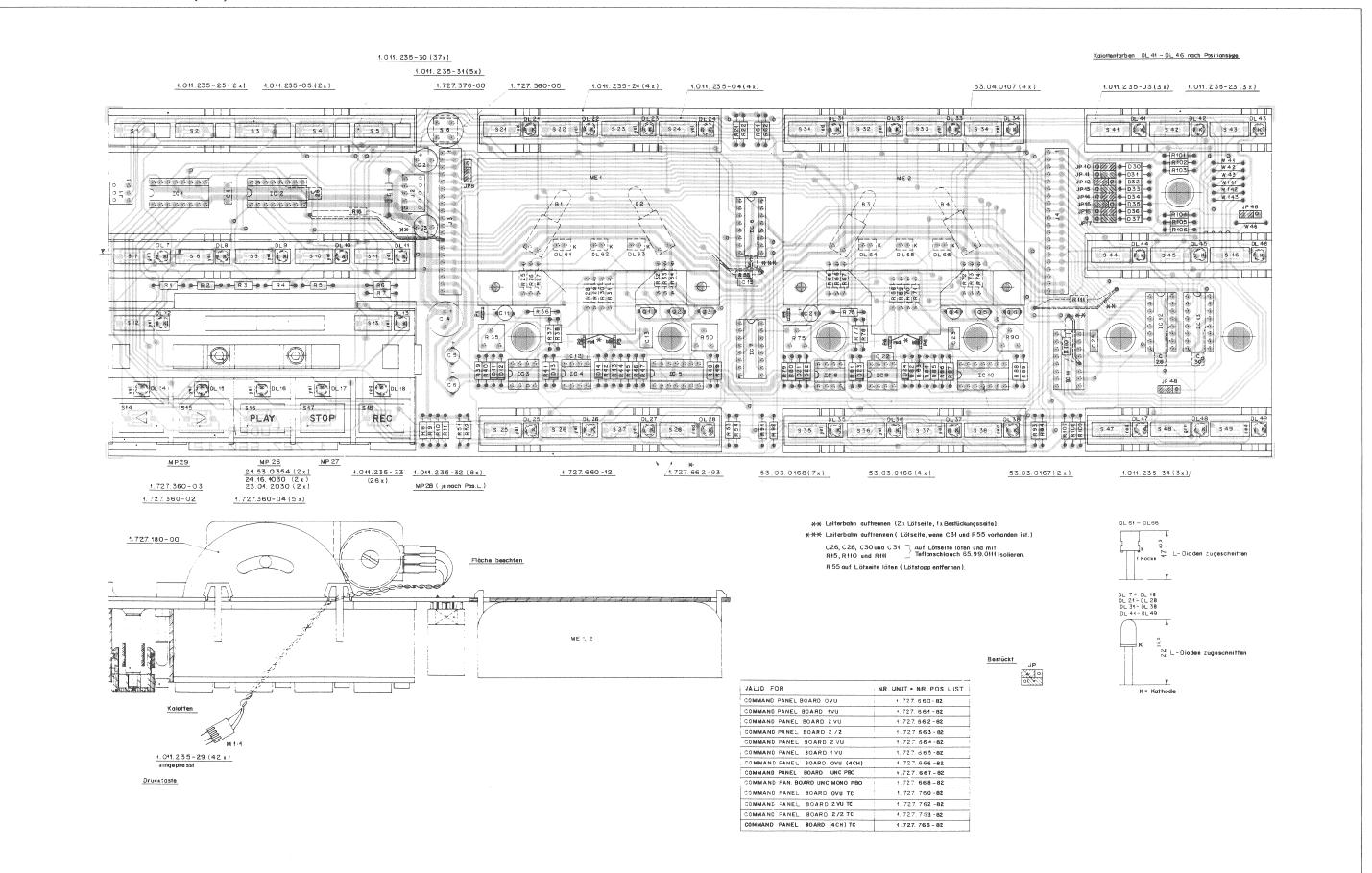
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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	UNAM
	A1 A2	1.727.370.00 1.727.180.00 51.02.0144	6 V	Display Board Shuttle Control O.O3 A Lamp			JP16 JP17 JP46	54.01.0021 54.01.0021		Bridge Bridge not_used	
	B2 B3 B4	51.02.0144 51.02.0144 51.02.0144	6 V 6 V	0.03 A Lamp 0.03 A Lamp 0.03 A Lamp			JP48 ME1 ME2	54.01.0021 1.727.360.01 1.727.360.01		Bridge VU Meter VU Meter	
	C1 C2 C3	59.06.0683 59.22.3221 59.22.3221	68 nF 220 uF 220 uF	10% 50 V PETP -20% 10 V EL -20% 10 V EL			MP1 MP2 MP3	54.01.0020 1.011.235.03 1.011.235.04	30 рся 3 рся 4 рся	Contact Pin Push button case 3* Push button case 4*	
	C4 C5 C6 C11	59.22.3102 59.22.5220 59.22.5220 59.22.6100	1000 uF 22 uF 22 uF 10 uF	-20% 10 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL			MP5 MP6 MP7	1.011.235.05 1.011.235.23 1.011.235.24 1.011.235.25	2 pcs 3 pcs 4 pcs	Push button case 5* Conductive rubber 3* Conductive rubber 4*	
	C12 C13 C15 C21	59.34.2220 59.06.0105 59.06.0683 59.22.6100	22 pF 1 uF 68 nF 10 uF	10% 50 V CER 10% 50 V PETP 10% 50 V PETP -20% 25 V EL			MP8 MP9 MP10	1.011.235.29 1.011.235.30 1.011.235.31 1.011.235.32	2 pcs 42 pcs 37 pcs 5 pcs	Conductive rubber 5* Bolt Push button 14*5 Dummy calotte	
	C22 C23 C25	59.34.2220 59.06.0105 59.06.0683	22 pF 1 uF 68 nF	10% 50 V CER 10% 50 V PETP 10% 50 V PETP			MP11 MP12 MP13 MP14	1.011.235.33 1.011.235.34 1.727.360.02	8 рся 26 рся 3 рся 1 рсе	Calotte red Calotte yel Calotte grn Push button case with Shuttle	
	D1 D11 D12	50.04.0512 50.04.0125 50.04.0125	1N5818 1N4448 1N4448	30 V Schottky 50 V SI 50 V SI			MP15 MP16 MP17 MP18	1.727.360.03 1.727.360.04 1.727.360.05 1.727.662.10	1 pce 5 pcs 1 pce 1 pce	Conductive rubber with Shuttle Push button 19#14 Push button Adj. No. Label	
	D13 D14 D21 D22	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI 50 V SI			MP20 MP21 MP22	1.727.660.12 53.03.0221 1.727.362.93 21.53.0354	1 pce 43 pcs 2 pcs 2 pcs	Command Panel PCB 2-pole LED Socket L-LST Command Panel Board Hexagon socket head cap screw M3*6	
	D23 D24 D30 D31	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1 N 4 4 4 8 1 N 4 4 4 8 1 N 4 4 4 8 1 N 4 4 4 8	50 V SI 50 V SI 50 V SI 50 V SI		(00)	MP24 MP25 MP26	23.01.2032 24.16.1030 43.01.0108 1.727.360.06	2 pcs 2 pcs 1 pce 1 pce	Washer Fin washer ESE Warning label Push button labels (/ /PLAY/STOP/	
	D32 D33 D34	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI		(02) (02) (02)	MP26 MP27 MP28	1.727.360.07 1.727.360.08 1.727.360.09	1 pce 1 pce 1 pce	Push button label , PLAY Push button label , STOP Push button label , RECORD	REC/
STU:	DER (O	2) 90/10/25 GP	COMMAND P	ANEL BOARD 2VU PL 1.727.662.0	OO PAGE 1	STU	DER (C	2) 90/10/25 GP	COMMAND PA	NEL BOARD 2VU PL 1.727.662.00	PAGE
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF,	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANU
	D35 D36	50.04.0125 50.04.0125	1N4448 1N4448	50 V SI 50 V SI		(02)		1.727.360.19	2 рев	Push button labels, FORWARD, REWIND	
	D37 DL7 DL8	50.04.0125 50.04.2501 50.04.2500	1N4448 MV5452 MV5352	50 V SI LED grn D=5 mm LED yel D=5 mm	GI GI		P1 P2 P3 P4	54.02.0320 54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	МА МА МА
	DL9 DL10 DL11 DL12	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		P5 P6	54.02.0320 54.02.0320 50.03.0436	BC237B	Plug 2.8*0.8 Plug 2.8*0.8 BC547B, BC550B NPN	AM AM
	DL13 DL14 DL15 DL16	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI		Q2 Q3 Q4 Q5	50.03.0436 50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN	
	DL17 DL18 DL21 DL22	50.04.2500 50.04.2115 50.04.2115 50.04.2500	MV5352 MV5752 MV5752 MV5352	LED yel D=5 mm LED red D=5 mm LED red D=5 mm LED yol D=5 mm	GI GI GI GI		Ω6 R1 R2	50.03.0436 57.11.3391 57.11.3391	BC237B 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF	
	DL23 DL24 DL25 DL26	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		R3 R4 R5	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohn 390 Ohn 390 Ohn 390 Ohn	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL27 DL28 DL31	50.04.2500 50.04.2115 50.04.2115 50.04.2500	NV5352 NV5752 NV5752 NV5752	LED yel D=5 mm LED red D=5 mm LED red D=5 mm	GI GI GI		R6 R7 R8	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL32 DL33 DL34 DL35	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI		R10 R11 R21 R22	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL36 DL37 DL39 DL41	50.04.2500 50.04.2500 50.04.2115 50.04.2500	MV5352 MV5352 MV5752 MV5352	LED yel D=5 mm LED yel D=5 mm LED red D=5 mm LED yel D=5 mm	GI GI GI GI		R25 R26 R27 R28	57.11.3391 57.11.3391 57.11.3391 57.11.3272	390 Ohm 390 Ohm 390 Ohm 2.7 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF	
	DL42 DL43 DL44 DL45	50.04.2500 50.04.2500 50.04.2115 50.04.2500	MV5452 MV5352 MV5752 MV5352	LED grn D=5 mm LED yel D=5 mm LED red D=5 mm LED yel D=5 mm	GI GI GI GI		R30 R31 R32	57.11.3474 57.11.3153 57.11.3682 57.11.3153	470 kOhm 15 kOhm 6.8 kOhm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
TUI	DER (O2	2) 90/10/25 GP	COMMAND PA	ANEL BOARD 2VU PL 1.727.662.0	DO PAGE 2	STU	DER (O	2) 90/10/25 GP	COMMAND PAN	PL 1.727.662.00	PAGE
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.		POS.NO.	PART NO.	VALUE		HANU
	DL46 DL47 DL48	50.04.2500 50.04.2115 50.04.2501	MV5952 MV5752 MV5452	LED yel D=5 mm LED red D=5 mm LED grn D=5 mm	GI GI GI	(00)	R33 R34	57.11.3682 57.11.3682 58.01.8203	6.8 kOhm 6.8 kOhm 20 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 10%, 0.5 %, PCerm	
	DL61 DL62 DL63	50.04.2115 50.04.2119 50.04.2119 50.04.2119	MV5752 MV57124 MV57124 MV57124	LED red D=5 mm LED red 6.35x3.81 LED red 6.35x3.81 LED red 6.35x3.81	GÎ GI GI GI	(01)	R35	58.01.8503 57.11.3203 57.11.3822 57.11.3203	50 kOhm 20 kOhm 8.2 kOhm 20 kOhm	10%, 0.5 W, PGerm 10%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL64 DL65 DL66	50.04.2119 50.04.2119 50.04.2119	MV57124 MV57124 MV57124	LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81	GI GI		R38 R39 R40 R41	57.11.3203 57.11.3103 57.11.3203	20 kOhm 10 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	IC1 IC2 IC3 IC4	50.17.1595 50.17.1595 50.09.0107 50.09.0107	74HC595 74HC595 RC4559 RC4559	8-Bit Shift Register 8-Bit Shift Register Dual Op. Amp.	TI TI Ra		R42 R43 R44	57.11.3103 57.11.3332 57.11.3472 57.11.3182	10 kOhm 3.3 kOhm 4.7 kOhm 1.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	IC5 IC6 IC7	50.05.0199 50.17.1595 50.17.1595	LM324 74HC595 74HC595	Dual Op. Amp. Quad Op. Amp. 8-Bit Shift Register 8-Bit Shift Register	Ra NS,Mot TI TI		R45 R46 R47 R48	57.11.3151 57.11.3202 57.11.3751 57.11.3153	150 Ohm 2 kOhm 750 Ohm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	IC9 IC10 IC11	50.09.0107 50.09.0107 50.05.0199 50.17.1595	RC4559 RC4559 LM324 74HC595	Dual Op. Amp. Dual Op. Amp. Quad Op. Amp. 8-Bit Shift Register	Ra Ra NS,Mot TI	(00) (01)	R49 R50 R50 R51	57.11.3332 58.01.8203 58.01.8503 57.11.3391	3.3 kOhm 20 kOhm 50 kOhm 390 Ghm	1%, 0.25W, MF 10%, 0.5 W, PCarm 10%, 0.5 W, PCarm 1%, 0.25W, MF	
	IC12 IC13 J1	50.06.0596 50.17.1595 54.01.0287	74LS596 74HC595 3-Pole	B-Bit Shift Register B-Bit Shift Register O.C. B-Bit Shift Register CIS Socket Strip	TI TI AMP		R52 R53 R54 R61	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, HF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	J2 J3 J4	54.01.0288 54.01.0237 54.01.0237	5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP		R62 R65 R66 R67	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	JP6 JP10 JP11 JP12	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge			R68 R69 R70 R71	57.11.3272 57.11.3474 57.11.3153 57.11.3682	2.7 kOhm 470 kOhm 15 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	JP13	54.01.0021 54.01.0021		Bridge Bridge			R72 R73	57.11.3153 57.11.3682	15 kOhm 6.8 kOhm	1%, 0.25W, HF 1%, 0.25W, HF	
:	JP14 JP15	54.01.0021		Bridge			R74	57.11.3602	6.8 kOhm	1%, 0.25W, HF	

	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.
	R75 R75 R76 R76 R77 R78 R79 R80	56.01.8203 58.01.8503 57.11.3203 57.11.3203 57.11.3203 57.11.3203 57.11.3103 57.11.3203	20 kOhm 50 kOhm 20 kOhm 8.2 kOhm 20 kOhm 10 kOhm 10 kOhm	10X, 0.5 W, PCerm 10X, 0.5 W, PCerm 1X, 0.25W, MF 1X, 0.25W, MF 1X, 0.25W, MF 1X, 0.25W, MF 1X, 0.25W, MF 1X, 0.25W, MF	
	R81 R83 R84 R85 R86 R87 R88	57.11.3103 57.11.3332 57.11.3472 57.11.3151 57.11.3202 57.11.3751 57.11.3153 57.11.3332	10 kOhm 3.3 kOhm 4.7 kOhm 1.9 kOhm 150 Ohm 2 kOhm 750 Ohm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1% 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
(00)	R90 R90 R91 R92 R93 R94 R101 R102	58.01.8203 58.01.8503 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391	3.3 kOhm 20 kOhm 50 kOhm 390 Ohm	10%, 0.5 W, PCerm 10%, 0.5 W, PCerm 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	R103 R104 R105 R106 R107 R108 R109	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF	
	S6 W41	55.15.0130 64.01.0106		Push button Switch Wire Bridge	ITT
e T II	₩42	64.01.0106	COMMAND DAN	Wire Bridge	00 DACE 7
5 T U	DER (02	2) 90/10/25 GP	COMMAND PAN	EL BUARD 2VU PL 1.727.662	2.00 PAGE 7
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.
	W43 W46 W141 W142 W143	64.01.0106 64.01.0106		Wire Bridge Wire Bridge not used not used not used	
	XB1 XB2 XB3 XB4	53.04.0107 53.04.0107 53.04.0107 53.04.0107	ic not	Lamp holder Lamp holder Lamp holder Lamp holder	
	XIC1 XIC2 XIC3 XIC4	53.03.0168 53.03.0168 53.03.0166 53.03.0166	16-Pole 16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
	XIC5 XIC6	53.03.0167 53.03.0168	14-Pole 16-Pole	IC Socket IC Socket	
	XIC7 XIC8 XIC9	53.03.0168 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket	
	XIC10 XIC11 XIC12	53.03.0167 53.03.0168 53.03.0168	14-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket	
	XIC13	53.03.0168	16-Pole	IC Socket	
(01)	11.01.90 Ext	tended adjustme	nt range of V	U-meter.	
(02) 2	25.10.90 Cha	inge of materia Electrolytic, P	1 (from plast	ic to aluminium).	
MF-Met	tal Film, PC ACTURER: AME	Cerm=Pot. Cerme P. GI=General I	t, nstrument, IT	T, Mot=Motorola,	
	TI=	Texas Instrume	nts	=Philips, Ra=Raytheon,	
		(01) 90/01/11 2) 90/10/25 GP			.00 PAGE 8
310	DER (02	2/ 90/10/25 GF	CONHAND PAN	EL DOMAD 200 FL 1.727.002.	.OO IMGE O









A	FART NO. 1.727.370.00 1.727.180.00 1.727.180.00 1.727.180.00 1.727.180.01 51.02.0144 51.02.0144 51.02.0144 51.02.0144 51.02.0144 51.02.0144 51.02.0144 59.02.3221 59.22.3221 59.22.3221 59.22.5220 59.22.5220 59.22.5220 59.22.5220 59.22.6100 59.34.2220 59.22.6100 59.34.2220 59.06.0105 59.34.101 59.45.4101 59.45.4101 59.45.4101 59.45.4101 59.45.4101 59.45.4101 59.45.4101 59.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125	6 V 6 V 6 V 6 V 6 V 6 V 6 V 6 V 6 V 6 V	SPECIFICATIONS / EQUIVALENT	MANUF.	ME 2 MP 1 MP 2 MP 3 MP 3 MP 4 MP 5 MP 6 MP 7 MP 8 MP 9 MP 10 MP 11 MP 12 MP 13	54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 1.727.360.01 1.727.360.01 1.01.235.03 1.01.235.03 1.01.235.23 1.01.235.33 1.01.235.33 1.01.235.33 1.01.235.33	30 pcs 3 pcs 4 pcs 4 pcs 4 pcs 5 pcs 6 pcs 6 pcs 7 pcs 8 pcs 8 pcs 1 pce 1 pce 1 pce 1 pce 2 pcs 2 pcs 3 pcs 6 pcs 3 pcs 1 pcs 1 pce 1 pce 2 pcs 2 pcs 3 pcs 6 pcs 3 pcs 6 pcs 7 pcs 8 pcs 8 pcs 8 pcs 1 pce 1 pce 1 pce 2 pcs 2 pcs 2 pcs 3 pcs 3 pcs 1 pce 1 pce 2 pcs 2 pcs 2 pcs 3 pcs 3 pcs 1 pce 2 pcs 4 pcs 3 pcs 6 pcs 6 pcs 7 pcs 8 pcs 8 pcs 8 pcs 8 pcs 8 pcs 8 pcs 1 pce 1 pce 1 pce 2 pcs 2	Bridge Free Bridge Bridge Bridge Bridge Bridge Free Bridge Bridge Bridge Free Bridge Free Bridge Free Bridge Free Bridge Bridge Free Brid		RND. POS. NO. R. 71 R. 72 R. 73 R. 74 R. 75 R. 76 R. 77 R. 86 R. 76 R. 77 R. 80 R. 81 R. 81 R. 82 R. 83 R. 84 R. 85 R. 86 R. 85 R. 86 R. 87 R. 89 R. 89 R. 90 R. 91 R. 91 R. 92 R. 93 R. 94 R. 105 R. 106 R. 107 R. 108 R. 107 R. 108 R. 107 R. 108 R. 109 R. 110	FART NO. 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3822 57.11. 3203 57.11. 3203 57.11. 3203 57.11. 3103	6.8 kOha 1.5 kOha 6.8 kOha 6.8 kOha 6.2 kOha 20 kOha 20 kOha 10 kOha	SPECIFICATIONS / ROUIVALENT 12. 0.259, MF 13. 0.259, MF 14. 0.259, MF 15. 0.259, MF 16. 0.259, MF 17. 0.259, MF 18. 0.259, MF 19. 0.259, MF 19. 0.259, MF 19. 0.259, MF 10. 0.259, MF 11. 0.259, MF 12. 0.259, MF 13. 0.259, MF 14. 0.259, MF 15. 0.259, MF 16. 0.259, MF 17. 0.259, MF 18. 0.259, MF 19. 0.259, MF 19. 0.259, MF 10. 0.259, MF 10. 0.259, MF 11. 0.259, MF 11. 0.259, MF 12. 0.259, MF 12. 0.259, MF 13. 0.259, MF 14. 0.259, MF 15. 0.259, MF 16. 0.259, MF 17. 0.259, MF 18. 0.259, MF 18. 0.259, MF 19. 0.259, MF 1	MANUF.
IND. POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.
D 24 D 30 D 31 D 33 D 33 D 35 D 36 D 37 D 36 D 37 D 38 D 37 D 38 D 39	50. 04 .01.25 50. 04 .2500 50. 04 .2500	1N4 446 1N4 5352 NV5552 NV5	50 V SI 60 D B S MA 60 D B S M	GI GI GI GI GI GI GI GI GI GI GI GI GI G	MP27 MP28	24.16.1030 43.01.0109 1.727.360.07 1.727.360.09 1.727.360.09 1.727.360.19 54.02.0320 54.02.0320 54.02.0320 54.02.0320 55.03.0436 50.03.0436	2 pcs 1 pce 1 pce 1 pce 2 pcs 2 pcs 3 pce 3 pce 6 pce 6 pce 6 pce 7 pce 7 pce 7 pce 8 pc237B 9 pc3B 9	Fin washer SEE Marning Label Fush button label , PLAY Push button label , PCAY Push button label , STOP Push button label , RECORD Push button label , RECORD Push button label , FORWARD, REWIND Flug 2.840.8 Plug 2.840	AMP AMP AMP AMP AMP	H	64.01.0106 64.01.0106 64.01.0106 64.01.0106 64.01.0106 53.04.0107 53.04.0107 53.04.0107 53.04.0107 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 8-Pole 9-Pole 16-Pole	T, Mot=Motorola, =Philips, Ra=Raytheon,	562.82 PAGE 8
IND. POS.NO. DL38 DL41 DL42 DL43 DL44 DL45 DD61 DL61 DL62 DL63 DL64 DL64 DL64 DL64 DL65 DL65 DL65 DL65 DL61 IC11 IC2 IC3 IC4 IC5 IC13 IC13 IC13 IC13 IC13 IC13 IC13 IC14 IC15 IC15 IC17	PART NO. 50.04.2115 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2505 50.04.2505 50.04.2115 50.04.2115 50.04.2119 50.04.2010 5	MV5752 MV5352 MV5352 MV5352 MV5352 MV5352 MV5752 MV5752 MV57124 MV571124 MV571124 MV571124 MV571124 MV571124 MV571124 MV571124 MV571124 MV5712	SPECIFICATIONS / EQUIVALENT LED red D=5 nm LED yel D=5 mm LED red B=5 mm LED red	HANUF. GI	IND. POS.NO. R	FART 80. 57.11.3391 57.11.3474 57.11.3153 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.370	390 Ohm 2.7 kOhm 470 kOhm 470 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 8.2 kOhm 8.2 kOhm 10 kOhm 10 kOhm 11 kOhm 11 kOhm 12 kOhm 12 kOhm 13 kOhm 15 kOhm 15 kOhm 15 kOhm 15 kOhm 16 kOhm 17 kOhm 18 kOhm 18 kOhm 18 kOhm 18 kOhm 18 kOhm 190 Ohm 390 Ohm	SPECIFICATIONS / EQUIVALENT 1% 0.25% MF 10% 0.5 % PCerm 1% 0.25% MF						

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	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT Display Board	MANUF.	JP10	54.01.0021	VALUE	SPECIFICATIONS / EQUIVALENT Bridge	MANUF.	IND. POS.NO.	PART NO. 57.11.3391	390 Ohn	SPECIFICATIONS / EQUIVALENT	MANUF.
B1 B2	1.727.180.00 51.02.0144 51.02.0144	6 V 6 V 6 V	Shuttle Control O.O3 A Lamp O.O3 A Lamp		JP11 JP12 JP13 JP14	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge		R68 R69 R70 R71	57.11.3272 57.11.3474 57.11.3153 57.11.3682	2.7 kOha 470 kOha 15 kOha 6.8 kOha	1%, O.25W, MF 1%, O.25W, MF 1%, O.25W, MF 1%, O.25W, MF	
B4 B4	51.02.0144 51.02.0144 59.06.0683	6 V 68 nF	0.03 A Lamp 0.03 A Lamp 100 50 V PETP		JP15 JP16 JP17 JP41	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge		R72 R73 R74 R75	57.11.3153 57.11.3682 57.11.3682 58.01.8503	15 kOhm 6.8 kOhm 6.8 kOhm 50 kOhm	10%, O.5 W, PCerm	
C2 C3 C4 C5	59.22.3221 59.22.3221 59.22.3102 59.22.5220	220 uF 220 uF 1000 uF 22 uF	-20% 10 V EL -20% 10 V EL -20% 10 V EL -20% 25 V EL		JP42 JP43 JP46 JP48			Bridge Bridge not used Bridge		R76 R77 R78 R79	57.11.3822 57.11.3203 57.11.3203 57.11.3103	8.2 kOhn 20 kOhn 20 kOhn 10 kOhn	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF	
C6 C11 C12 C13	59.22.5220 59.22.6100 59.34.2220 59.06.0105	22 uF 10 uF 22 pF 1 uF	-20% 25 V EL -20% 25 V EL 10% 50 V CER 10% 50 V PETP		ME2	1.727.360.01 1.727.360.01		VU Heter VU Heter		R80 R81 R82 R83	57.11.3203 57.11.3103 57.11.3332 57.11.3472	20 kOhs 10 kOhs 3.3 kOhs 4.7 kOhs	1%, O.25%, MF 1%, O.25%, MF 1%, O.25%, MF 1%, O.25%, MF	
C15 C21 C22 C23	59.06.0683 59.22.6100 59.34.2220 59.06.0105	68 nF 10 uF 22 pF 1 uF	10% 50 V PETP -20% 25 V EL 10% 50 V CER 10% 50 V PETP		MP1 MP2 MP3 MP4	1.011.235.03 1.011.235.04	39 pcs 3 pcs 4 pcs 2 pcs	Contact Pin Push button case 3* Push button case 4* Push button case 5*		R84 R85 R86 R87	57.11.3182 57.11.3151 57.11.3202 57.11.3751	1.8 kOhn 150 Ohn 2 kOhn 750 Ohn	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF	
C25 C26 C27 C28	59.45.4101 59.45.4101	68 nF 100 pF 100 pF	10% 50 V PETP 10% 50 V CER not used 10% 50 V CER		MP5 MP6 MP7 MP8	1.011.235.24 1.011.235.25 1.011.235.29	3 pcs 4 pcs 2 pcs 42 pcs	Conductive rubber 3* Conductive rubber 4* Conductive rubber 5* Bolt		R88 R89 R90 R91	57.11.3153 57.11.3332 58.01.8503 57.11.3391	15 kOhn 3.3 kOhn 50 kOhn 390 Ohn	10%, 0.5 W, PCerm 1%, 0.25W, NF	
C29 C30 C31	59.45.4101 59.45.4101	100 pF 100 pF	not used 10% 50 V CER 10% 50 V CER		MP9 MP10 MP11 MP12	1.011.235.32	37 pcs 5 pcs 8 pcs 26 pcs	Push button 14*5 Dummy calotte Calotte red Calotte yel		R92 R93 R94 R101	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohn 390 Ohn 390 Ohn 390 Ohn	1%, 0.25%, NF 1%, 0.25%, NF 1%, 0.25%, NF 1%, 0.25%, NF	
D1 D11 D12 D13	50.04.0512 50.04.0125 50.04.0125 50.04.0125	1 N581 B 1 N4448 1 N4448 1 N4448	30 V Schottky 50 V SI 50 V SI 50 V SI		MP13 MP14 MP15 MP16	1.727.360.02	3 pcs 1 pce 1 pce 5 pcs	Calotte grn Push button case with Shuttle Conductive rubber with Shuttle Push button 19*14		R102 R103 R104 R105	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohn 390 Ohn 390 Ohn 390 Ohn	1%, 0.25%, NF 1%, 0.25%, NF 1%, 0.25%, NF 1%, 0.25%, NF	
D14 D21 D22 D23	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1 N 4 4 4 8 1 N 4 4 4 8 1 N 4 4 4 8 1 N 4 4 4 8	50 V SI 50 V SI 50 V SI 50 V SI		MP17 MP18 MP19 MP20	1.727.360.05 1.727.662.10 1.727.660.13	1 pce 1 pce 1 pce 43 pcs	Push button Adj. No. Label Command Panel PCB 2-pole LED Socket		R106 R107 R108 R109	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohn 390 Ohn 390 Ohn 390 Ohn	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF	
	0) 91/08/26 GP			2.83 PAGE 1	STUDER			NEL BOARD 2VU PL 1.727.662.83	PAGE 4	STUDER (662.83 PAGE 7
D24	PART NO. 50.04.0125		SPECIFICATIONS / EQUIVALENT	NANUF.	IND. POS.NO.	PART NO.	VALUE 2 pcs	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO. 57.11.3102	VALUE 1 kOha	SPECIFICATIONS / EQUIVALENT	MANUF.
D30 D31 D32 D33	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI 50 V SI 50 V SI		MP23 MP24	21.53.0354 23.01.2032 24.16.1030	2 pcs 2 pcs 2 pcs	Hexagon socket head cap screw N3*6 Washer Fin washer		R111 S6	57.11.3102 57.11.3102 55.15.0130	1 kOhn	1%, 0.250, MF Push button Switch	ITT
D34 D35 D36	50.04.0125 50.04.0125 50.04.0125	1 N4 448 1 N4 448 1 N4 448	50 V SI 50 V SI 50 V SI 50 V SI 50 V SI		MP25 MP26 MP27 MP28	43.01.0108 1.727.360.07 1.727.360.08 1.727.360.09	1 pce 1 pce 1 pce 1 pce	ESE Warning label PLAY Push button label PLAY Push button label STOP Push button label RECORD		W46 XB1	64.01.0106 53.04.0123		Wire Bridge Lamp holder	
D37 DL7 DL8	50.04.0125 50.04.2501 50.04.2500	1N4448 NV5452 NV5352	LED grn D=5 mm LED yel D=5 mm	GI GI	MP29 P1 P2	1.727.360.19 54.02.0320 54.02.0320	2 рсв	Push button labels, FORWARD, REWIND Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP	XB2 XB3 XB4	53.04.0123 53.04.0123 53.04.0123		Lamp holder Lamp holder Lamp holder	
DL9 DL10 DL11 DL12	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI	P3 P4 P5 P6	54.02.0320 54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP AMP	XIC1 XIC2 XIC3 XIC4	53.03.0168 53.03.0168 53.03.0166 53.03.0166	16-Pole 16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
DL13 DL14 DL15 DL16	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI	Q1 Q2 Q3	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN		XIC5 XIC6 XIC7 XIC8	53.03.0167 53.03.0168 53.03.0168 53.03.0166	14-Pole 16-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
DL17 DL18 DL21 DL22	50.04.2500 50.04.2115 50.04.2115 50.04.2500	MV5352 MV5752 MV5752 MV5352	LED yel D=5 mm LED red D=5 nm LED yel D=5 nm LED yel D=5 nm	GI GI GI	94 95 96	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN		XIC9 XIC10 XIC11 XIC12	53.03.0166 53.03.0167 53.03.0168 53.03.0168	8-Pole 14-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket	
DL23 DL24 DL25 DL26	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 nm LED yel D=5 nm LED yel D=5 nm LED yel D=5 nm	GI GI GI	R1 R2 R3 R4	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		XIC13	53.03.0168	16-Pole	IC Socket	
DL27 DL28 DL31 DL32	50.04.2500 50.04.2115 50.04.2115 50.04.2500	MV5352 MV5752 MV5752 MV5352	LED yel D=5 mm LED red D=5 mm LED red D=5 mm LED yel D=5 mm	GI GI GI	R5 R6 R7 R8	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		CER=Ceramic, EL= MF=Metal Film, F	Electrolytic/ P	ETP=Polyeste:	r, SI=Silicon,	
DL33 DL34 DL35 DL36	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 nm LED yel D=5 mm LED yel D=5 mm	GI GI GI	R9 R10 R11 R12	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		NS	P, GI=General I S=National Semic S=Texas Instrume	onductor / Pl	TT, Mot=Motorola, h=Philips, Ra=Raytheon,	
DL37	50.04.2500 0) 91/08/26 GP	MV5352	LED yel D=5 mm	GI 62.83 PAGE 2	R15 STUDER (57.11.3102	1 kOhm	1%, 0.25W, MF NEL BOARD 2VU PL 1.727.662.83	PAGE 5	ORIG 91/08/26 STUDER (C	00) 91/08/26 GP	COMMAND FA	NEL BOARD 2VU PL 1.727.6	662.83 PAGE 8
. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.					
DL38 DL41 DL42	50.04.2115 50.04.2500 50.04.2501	MV5752 MV5352 MV5452	LED red D=5 mm LED yel D=5 mm LED grp D=5 mm	GI GI GI	R21 R22 R25	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, NF 1%, 0.25W, MF 1%, 0.25W, MF						
DL43 DL44 DL45 DL46	50.04.2500 50.04.2115 50.04.2500 50.04.2500	MV5352 MV5752 MV5352 MV5352	LED yel D=5 mm LED red D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI	R26 R27 R28 R29	57.11.3391 57.11.3391 57.11.3272 57.11.3474	390 Ohm 390 Ohm 2.7 kOhm 470 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
DL47 DL48 DL49 DL61	50.04.2115 50.04.2501 50.04.2115 50.04.2119	MV5752 MV5452 MV5752 MV57124	LED red D=5 mm LED grn D=5 mm LED red D=5 mm LED red 6.35*3.81	GI GI GI GI	R30 R31 R32 R33	57.11.3153 57.11.3682 57.11.3153 57.11.3682	15 kOhm 6.8 kOhm 15 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
DL62 DL63 DL64 DL65	50.04.2119 50.04.2119 50.04.2119 50.04.2119	MV57124 MV57124 MV57124 MV57124	LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81	GI GI GI GI	R34 R35 R36 R37	57.11.3682 58.01.8503 57.11.3822 57.11.3203	6.8 kOhm 50 kOhm 8.2 kOhm 20 kOhm	1%, 0.25W, MF 10%, 0.5 W, PCerm 1%, 0.25W, MF 1%, 0.25W, MF						
DL66 IC1 IC2	50.04.2119 50.17.1595 50.17.1595	NV57124 74HC595 74HC595	LED red 6.35%3.81 8-Bit Shift Register 8-Bit Shift Register	GI TI TI	R38 R39 R40 R41	57.11.3203 57.11.3103 57.11.3203 57.11.3103	20 kOhm 10 kOhm 20 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
IC4 IC5	50.09.0107 50.09.0107 50.05.0199 50.17.1595	RC4559 RC4559 RC4559 LM324 74HC595	O-Dit Shift Register Dual Op. Amp. Dual Op. Amp. Quad Op. Amp. 8-Bit Shift Register	Ra Ra NS/Mot TI	R42 R43 R44 R45	57.11.3332 57.11.3472 57.11.3182 57.11.3151	3.3 kOhm 4.7 kOhm 1.8 kOhm 150 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
IC6 IC7 IC8 IC9	50.17.1595 50.09.0107 50.09.0107	74HC595 RC4559 RC4559	8-Bit Shift Register Dual Op. Amp. Dual Op. Amp.	TI Ra Ra	R46 R47 R48	57.11.3202 57.11.3751 57.11.3153 57.11.3332	2 kOhm 750 Ohm 15 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
IC10 IC11 IC12 IC13	50.05.0199 50.17.1595 50.06.0596 50.17.1595	LM324 74HC595 74LS596 74HC595	Guad Op. Amp. B-Bit Shift Register 8-Bit Shift Register O.C. B-Bit Shift Register	NS, Mot TI TI TI	R49 R50 R51 R52	58.01.8503 57.11.3391 57.11.3391	50 kOhm 390 Ohm 390 Ohm	10%, 0.5 W, PCerm 1%, 0.25W, MF 1%, 0.25W, MF						
J1	54.01.0287 54.01.0288	3-Pole 5-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP	R53 R54 R55 R61	57.11.3391 57.11.3391 57.11.3102 57.11.3391	390 Ohm 390 Ohm 1 kOhm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
J2 J3	54.01.0237		CIS Socket Strip	AMP	R62	57.11.3391	390 Ohm	1%, 0.25W, MF						
J4 J4	54.01.0237 54.01.0237 54.01.0021	20-Pole	Bridge	2.83 PAGE 3	R65 R66	57.11.3391 57.11.3391 001 91/08/26 GP	390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF IEL BOARD 2VU PL 1.727.662.83						

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	A2	1.727.370.00		Display Board Shuttle Control			R106 R108 R110	57.11.3391 57.11.3391 57.11.3102	390 Ohm 390 Ohm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	C2 C3 C4	59.06.0683 59.22.3221 59.22.3221 59.22.3102	68 nF 220 uF 220 uF 1000 uF	10% 50 V PETP -20% 10 V EL -20% 10 V EL -20% 10 V EL			R111 S6	57.11.3102 55.15.0130	1 kOhm	1%, O.25W, MF Push button Switch	ITI
	C25 C26 C27 C28	59.45.4101 59.45.4101	68 nF 100 pF 100 pF	10% 50 V PETP 10% 50 V CER not used 10% 50 V CER			W41 W42 W43 W46	64.01.0106 64.01.0106 64.01.0106 64.01.0106		Mire Bridge Wire Bridge Wire Bridge Wire Bridge	
	C29 C30 D1 D30	59.45.4101 50.04.0512 50.04.0125	100 pF 1N5818 1N4448	net used 10% 50 V CER 30 V Schottky 50 V SI			W141 W142 W143 XIC1	53.03.0168	16-Pole	not used not used not used IC Socket	
	D31 D32 D33 D34	50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125	1 N 4 4 4 4 8 1 N 4 4 4 4 8 1 N 4 4 4 4 8 1 N 4 4 4 4 8	50 V SI 50 V SI 50 V SI 50 V SI			XIC2 XIC12 XIC13	53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket	
	D35 D36 D37	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI							
	DL9 DL9 DL10	50.04.2501 50.04.2500 50.04.2500 50.04.2500	MV5452 MV5352 MV5352 MV5352	LED gen D=5 nm LED yel D=5 nm LED yel D≈5 nm LED yel D=5 nm	GI GI GI						
	DL11 DL12 DL13 DL14	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI	HF=He	tal Film, PC	lectrolytic, P erm=Pot. Cerme	t,		
	DL15 DL16 DL17 DL18 DL41	50.04.2500 50.04.2500 50.04.2500 50.04.2115 50.04.2500	MV5352 MV5352 MV5352 MV5752 MV5352	LED yel D=5 nm LED yel D=5 nm LED yel D=5 nm LED red D=5 nm LED yel D=5 nm	61 61 61 61 61		NS=	, GI=General I National Semic Texas Instrume	onductor / Ph	T, Mot=Motorela, =Philips, Ra=Raytheon,	
STU		0) 91/07/12 GP		IEL BOARD OVU PL 1.727.660.8				91/07/12 GP	COMMAND PAR	EL BOARD OVU PL 1.727.66	50.82 PAGE 4
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	DL42 DL43 DL44 DL45 DL46 DL48	50.04.2501 50.04.2500 50.04.2115 50.04.2500 50.04.2500 50.04.2501	MV5452 MV5352 MV5752 MV5352 MV5352 MV5452	LED grn D=5 nm LED yel D=5 nm LED red D=5 nm LED yel D=5 nm LED yel D=5 nm LED grn D=5 nm	GI GI GI GI GI						
	IC1 IC2 IC12 IC13	50.17.1595 50.17.1595 50.06.0596 50.17.1595	74HC595 74HC595 74LS596 74HC595	8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register O.C.	TI TI TI						
	J1 J2 J3	54.01.0287 54.01.0288 54.01.0237	3-Pole 5-Pole 20-Pole	8-Bit Shift Register CIS Socket Strip CIS Socket Strip CIS Socket Strip	TI AMP AMP AMP						
	J4 JP6 JP10	54.01.0237 54.01.0021 54.01.0021	20-Pole	CIS Socket Strip Bridge Bridge	AMP						
	JP11 JP12 JP13 JP14	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge							
	JP15 JP16 JP17 JP46 JP48	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge not used Bridge							
	MP1 MP2 MP4	54.01.0020 1.011.235.03 1.011.235.05	30 pcs 3 pcs 2 pcs	Contact Pin Push button case 3* Push button case 5*							
	MP9	1.011.235.23 1.011.235.25 1.011.235.29 1.011.235.30	3 pcs 2 pcs 24 pcs 19 pcs	Conductive rubber 3* Conductive rubber 5* Bolt Push button 14*5							
STU		1.011.235.31 0) 91/07/12 GP	5 pcs COMMAND PAI	Dummy calotte NEL BOARD OVU PL 1.727.660.8	32 PAGE 2						
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	MP11 MP12 MP13 MP14	1.011.235.32 1.011.235.33 1.011.235.34 1.727.360.02	2 pcs 14 pcs 3 pcs 1 pcs	Calotte red Calotte yel Calotte grn Push button case with Shuttle							
	MP15 MP16 MP17 MP18	1.727.360.03 1.727.360.04 1.727.360.05 1.727.660.10	1 pcs 5 pcs 1 pcs 1 pcs	Conductive rubber with Shuttle Push button 19#14 Push button Adj. No. Label							
	MP20 MP22 MP23 MP24	1.727.660.12 53.03.0221 21.53.0354 23.01.2032	1 pcs 19 pcs 2 pcs 2 pcs	Command Panel PCB 2-pole LED Socket Hexagon socket head cap screw M3 Washer	*6						
	MP25 MP26 MP27 MP28	24.16.1030 43.01.0108 1.727.360.07 1.727.360.08 1.727.360.09	2 pcs 1 pcs 1 pcs 1 pcs 1 pcs	Fin washer ESE Warning label Push button label , PLAY Push button label , STOP Push button label , RECORD							
	MP29 MP30	1.727.360.09 1.727.360.19 1.011.235.35 57.11.3391	2 pcs 2 pcs 2 pcs 390 Ohm	Push button labels, FORWARD, REWI Dummy push button 19*5	ND						
	R2 R4 R5	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	17, 0.25W, MF 17, 0.25W, MF 17, 0.25W, MF 17, 0.25W, MF							
	R6 R7 R8 R9	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, NF 1%, 0.25W, NF 1%, 0.25W, NF 1%, 0.25W, NF							
	R10 R15 R15	57.11.3391 57.11.3391 57.11.3102 57.11.3391	390 Ohm 390 Ohm 1 kOhm 390 Ohm	1X, 0.25M, MF 1X, 0.25M, MF 1X, 0.25M, MF 1X, 0.25M, MF							
	R102 R103 R104 R105	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25M, MF 1%, 0.25M, MF 1%, 0.25M, MF 1%, 0.25M, MF							
STU	DER (00) 91/07/12 GP	CONHAND PA	NEL BOARD OVU PL 1.727.660.	92 PAGE 3						

6/80

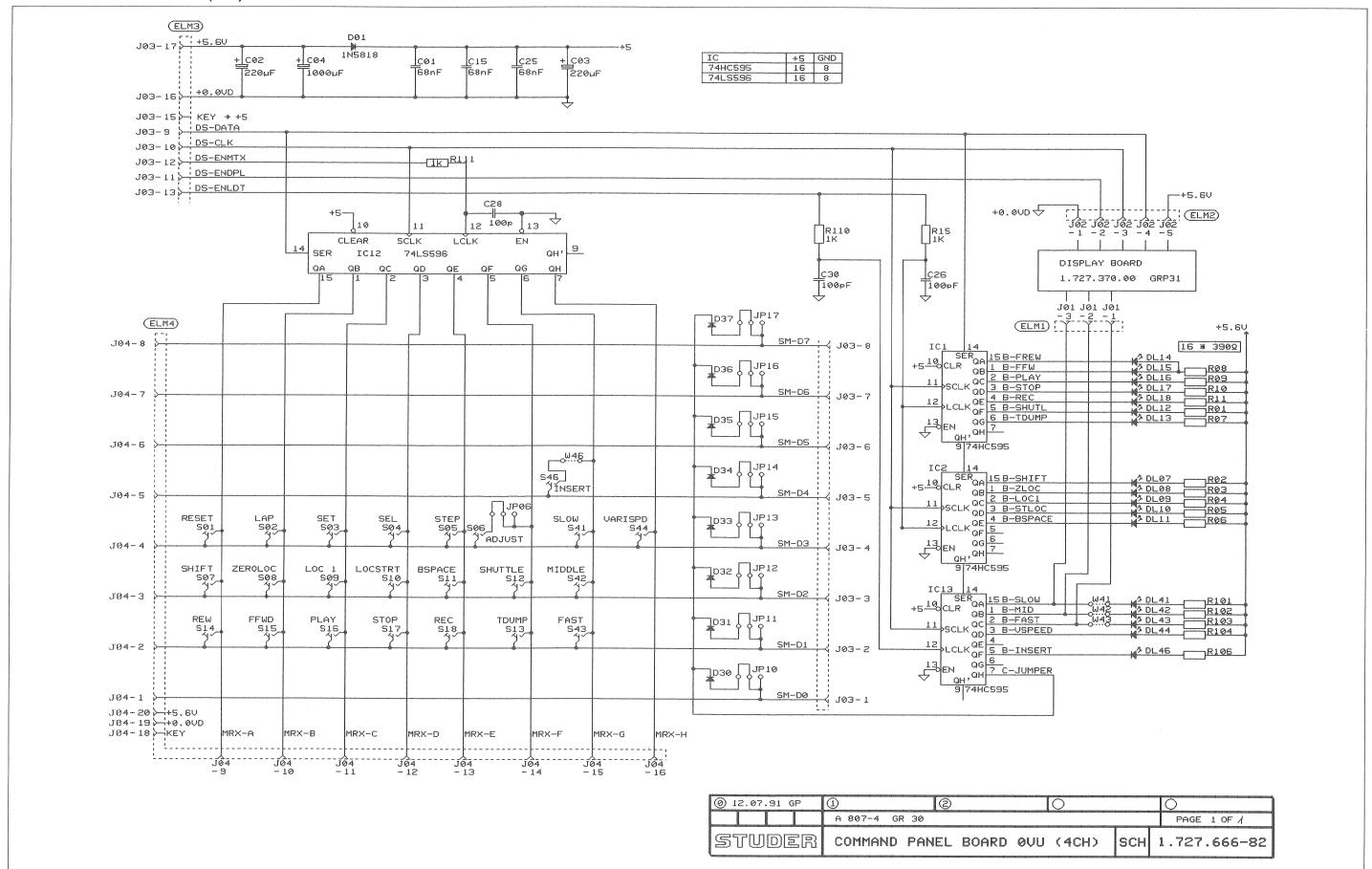
). POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.		POS.NO.		VALUE	SPECIFICATIONS / EQUI	VALENT	MANU
B1	1.727.370.00 1.727.180.00 51.02.0144 51.02.0144 59.06.0683 59.22.3221 59.22.3221 59.22.321 59.22.320 59.22.520 59.22.6100 59.34.220 59.06.0105 59.06.0683	6 V 6 V 6 R F 220 uf 220 uf 1000 uf 22 uf 10 uf 22 uf 10 uf 22 pf 1 uf 68 nf 68 nf 100 pf	Display Board Shuttle Cantrol 0.03 A Lamp 10% 50 V PETP -20% 10 V EL -20% 10 V EL -20% 10 V EL -20% 25 V EL			MP . 15 MP . 16 MP . 17 MP . 18 MP . 19 MP . 20 MP . 21 MP . 22 MP . 23 MP . 24 MP . 25 MP . 26 MP . 26 MP . 27 MP . 26 MP . 27 MP . 27 MP . 28 MP . 28	1.727.360.02 1.727.360.03 1.727.360.04 1.727.360.05 1.727.661.10 1.727.661.12 53.03.021 1.727.362.93 21.53.03.021 22.153.03.021 23.01.035 24.01.035 24.01.035 1.727.360.05 1.727.360.06 1.727.360.09 1.727.360.19 1.727.360.19	1 pce 1 pce 5 pcs 1 pce 1 pce 1 pce 1 pce 2 pcs 2 pcs 2 pcs 2 pcs 1 pce 1 pce 1 pce 2 pcs 1 pce	Push button case wi Conductive rubber wi Push button 19414 Push button Adj. No. Labal Command Panel PCB 2-pole LED Socket L-LST Command Panel Hawagin acoket head Fin washer ESE Warning Label Push button Label , Push button Label , Push button Label , Push button Label , Push button Label , Dunmy push button 15	Board cap screw M3*6 PLAY STOP RECORD FORWARD, REWIND	
C27 C28 C29 C30	59.45.4101 59.45.4101	100 pF	not used 10% 50 V CER not used 10% 50 V CER			P1 P2 P3	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8		AH AH AH
D	50. 44. 4101/ 50. 04. 0512 50. 04. 0125 50. 04. 0125	100 pF 1N5818 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448	30 V CER 30 V Schottky 50 V SI			9	50.03.0436 50.03.0436 50.03.0436 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391	BC237B BC237B BC237B 390 Oha 390 Oha	BC547B. BC550B NF BC547B. BC550B NF BC547B. BC550B NF 12. 0.254. MF 12. 0.254. MF	N	
	00) 91/07/12 GP		ANEL BOARD 1VU PL 1.727.661.	.82 PAGE 1	STUD	E R (0	0> 91/07/12 GP	COMMAND PA	NEL BOARD 1VU F	L 1.727.661.82	PAGE
POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. F	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUI		MANU
DL7 BL	50. 04. 2501 50. 04. 2501 50. 04. 2500 50. 04. 2119 50. 04. 2119 50. 04. 2119 50. 04. 2119 50. 04. 2119	NV5452 NV5452 NV5352 NV5552 NV	LED grn D=5 mm LED yel D=5 mm LED ye	G1 G1 G1 G1 G1 G1 G1 G1 G1 G1 G1 G1 G1 G	## ## ## ## ## ## ## ## ## ## ## ## ##		57.11.3091 57.11.3991	1 kOha 390 Oha 390 Oha 390 Oha 390 Oha 390 Oha 390 Oha 470 kOha 470 kOha 6.8 kOha 6.8 kOha 50 kOha 20 kOha 20 kOha 10 kOha 11 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 18 kOha 19 kOha 39 Oha 390 Oha 390 Oha 390 Oha 390 Oha	11.2 0 .258		
UDER (O	0) 91/07/12 GP	COMMAND PA	NEL BOARD 1VU PL 1.727.661.	82 PAGE 2	STUD	E R (00	91/07/12 GP	COMMAND PAN	EL BOARD 1VU PI	. 1.727.661.82	PAGE
POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. P		PART NO.	VALUE	SPECIFICATIONS / EQUIV		MANU
IC6 IC11 IC12 IC13 J1 J2	50.17.1595 50.17.1595 50.06.0596 50.17.1595 54.01.0287 54.01.0288 54.01.0237	74HC595 74HC595 74LS596 74HC595 3-Pole 5-Pole	8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register 0.C. B-Bit Shift Register CIS Socket Strip CIS Socket Strip CIS Socket Strip	TI TI TI AMP AMP AMP	R R R R	104 105 106 107 108 110	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3102 57.11.3102	390 Ohn 390 Ohn 390 Ohn 390 Ohn 390 Ohn 1 kOhn 1 kOhn	1% 0.25% MF 1% 0.25% MF 1% 0.25% MF 1% 0.25% MF 1% 0.25% MF 1% 0.25% MF 1% 0.25% MF		
J	54.01.0237 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021	20-Pol•	CIS Socket Strip Bridge	ang AMP	M M M M M M M X X	6414243461411421431481881	55.15.0130 64.01.0106 64.01.0106 64.01.0106 64.01.0106 53.04.0107 53.04.0107 53.03.0168	16-Pole	Push button Switch Whice Bridge Whice Bridge Whice Bridge Whice Bridge whice Bridge not used not used not used Lamp holder Lamp holder IC Socket		ITT
MP	1.727.360.01 54.01.0020 1.011.235.03 1.011.235.05 1.011.235.25 1.011.235.25 1.011.235.24 1.011.235.25 1.011.235.29 1.011.235.30 1.011.235.30	30 pcs 3 pcs 2 pcs 2 pcs 3 pcs 2 pcs 2 pcs 33 pcs 28 pcs 5 pcs 5 pcs	VU Meter Contact Pin Push button case 34 Push button case 44 Push button case 55 Conductive rubber 34 Conductive rubber 36 Conductive rubber 58 Dunautton 1445 Dunay calotte Calotte red		x x x x x x x	IC2 IC3 IC4 IC5 IC6 IC11 IC12	53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0168 53.03.0168 53.03.0168	16-Pole 8-Pole 8-Pole 14-Pole 16-Pole 16-Pole 16-Pole	IC Socket		
MP12	1.011.235.33 1.011.235.34	20 pcs 3 pcs COMMAND PA	Calotte yel Calotte grn NEL BOARD IVU PL 1.727.661.8	B2 PAGE 3	STUD	E B (00	> 91/07/12 GP	СОймуир вуя	EL BOARD IVII DI	. 1.727.661.82	PAGF
	12 65	Summer En	12 1.727.001.0		IND. P		PART NO.	VALUE	SPECIFICATIONS / EQUIV		MANUF
MP13					MF=Metal	Film, PC URER: AMP NS=1	lectrolytic, PF ern=Pot. Cermet , GI=General In National Semico Texas Instrumen	strument, IT' nductor , Ph	, SI=Silicon, Γ, Mot=Motorola, =Philips, Ra=Raytheoπ,		

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	HANI
	A1 A2 C1 C2 C3 C4 C15 C25 C26 C27 C28 C29 C30 C31 D1	1.727.370.00 1.727.180.00 59.06.0683 59.22.3221 59.22.3221 59.22.3102 59.06.0683 59.06.0683 59.45.4101 59.45.4101 59.45.4101	68 nF 220 uF 220 uF 1000 uF 68 nF 68 nF 100 pF 100 pF	Display Board Shuttle Control			R4 R5 R6 R7 R8 R9 R10 R11 R15 R21 R22 R55 R61 R62 R101 R102 R102 R102 R102 R102 R102	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohn 390 Ohn 390 Ohn 390 Ohn 390 Ohn 390 Ohn 1 kOhn 390 Ohn 1 kOhn 390 Ohn	1%, 0.25W, MF 1%, 0.25W, MF		
	D30 D31 D32 D33 D34 D35 D36 D37	50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI			R104 R105 R106 R108 R110 R111	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3102 57.11.3102	390 Ohm 390 Ohm 390 Ohm 390 Ohm 390 Ohm 1 kOhm 1 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF		
	DL7 DL8 DL9 DL10 DL11 DL12 DL13 DL14	50.04.2501 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5452 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352	LED grn D=5 nn LED yel D=5 nn	GI GI GI GI GI GI GI		S6 W41 W42 W43 W46 W141 W142 W143	55.15.0130 64.01.0106 64.01.0106 64.01.0106 64.01.0106		Push button Swi Wire Bridge Wire Bridge Wire Bridge Wire Bridge not used not used	tch	I.
T U	DL15 DL16 DL17	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 nm LED yel D=5 nm LED yel D=5 nm LED yel D=5 nm	GI GI	STU	XIC1 XIC2 XIC6	53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole COMMAND PAN	IC Socket IC Socket IC Socket	PL 1.727.663.82	PAGE
										au bonku 2/2	14 1.727.003.02	1802
ND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MANU
	DL 18 DL 21 DL 22 DL 23 DL 24 DL 31 DL 32 DL 33 DL 34 DL 41 DL 41 DL 42 DL 43 DL 44 DL 45 DL 48	50.04,2115 50.04,2115 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500 50.04,2500	NV5752 NV5752 NV5752 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352 NV5352	LED red D=5 nn LED red D=5 nn LED yel D=5 nn	GI GI GI GI GI GI GI GI GI GI		XIC7 XIC12 XIC13	53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket		
	IC1 IC2 IC6 IC7 IC12 IC13	50.17.1595 50.17.1595 50.17.1595 50.17.1595 50.06.0596 50.17.1595	74HC595 74HC595 74HC595 74HC595 74LS596 74HC595	8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register O.C. 8-Bit Shift Register	TI TI TI TI TI							
	J1 J2 J3 J4	54.01.0287 54.01.0288 54.01.0237 54.01.0237	3-Pole 5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP AMP	Note 1	: used for	XDL 7-18, XDL 2	1-24, XDL 31	-34, XDL 41-49		
	JP6 JP10 JP11 JP12 JP13 JP14 JP15 JP16	54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge Bridge Bridge Bridge Bridge		CER=Ce MF=Het MANUFA	ramic, EL=E al Film, PC CTURER: AMP NS=	lectrolytic, PE erm=Pot. Cermet , GI=General In	TP=Polyester		16017	
T U	DER (C	00) 91/07/12 GP	COMMAND PA	NEL BOARD 2/2 PL 1.727.663.82	PAGE 2) 91/07/12 GP	COMMAND PAN	EL BOARD 2/2	PL 1.727.663.82	PAGE
D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.							
	JP17 JP46 JP48	54.01.0021 54.01.0021		Bridge not used Bridge								
	MP1 MP2 MP3 MP4 MP5 NP6 MP7 MP9 MP10 MP11 MP12 MP13	54.01.0020 1.011.235.03 1.011.235.03 1.011.235.05 1.011.235.05 1.011.235.23 1.011.235.25 1.011.235.25 1.011.235.25 1.011.235.30 1.011.235.30 1.011.235.31 1.011.235.32 1.011.235.33	30 pcs 3 pcs 2 pcs 2 pcs 3 pcs 2 pcs 32 pcs 32 pcs 5 pcs 4 pcs 20 pcs 3 pcs 1 pcs 1 pcs 5 pcs 5 pcs 5 pcs 5 pcs 5 pcs 6 pcs 6 pcs 7 pcs 7 pcs 7 pcs 8 pcs 8 pcs 8 pcs 9 pcs 9 pcs 9 pcs 9 pcs 1 pcs 2	Contact Pin Push button case 3* Push button case 4* Push button case 5* Conductive rubber 3* Conductive rubber 3* Conductive rubber 5* Bolt Push button 14*5 Dummy calotte Galotte red Galotte red Galotte gra Push button case with Shuttle Conductive rubber with Shuttle Push button 19*14 Push button Ady.								
	MP15 MP16	1.727.360.04										
	MP15	1.727.360.05 1.727.660.05 1.727.663.10 1.727.660.12 53.03.0221 21.53.03.04 23.01.2032 24.16.1030 43.01.0108 1.727.360.07 1.727.360.09 1.727.360.09 1.727.360.19	1 pce 1 pce 1 pce 27 pcs 2 pcs 2 pcs 2 pcs 1 pce 1 pce 1 pce 1 pce 2 pcs 2 pcs 3 pcs 3 pcs 3 pcs 3 pcs 3 pcs	No. Label Command Panel PCB 2-pole LED Socket Hexagon nocket head cap screw M3A6 Washer ESE Warning label Push button label , PLAY Push button label , STOP Push button label , RECORD Push button label , RECORD Push button label , PEWARD, REWIND Dummy push button 1945 12, 0.250, MF								

D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MAN
	A1 A2 B1	1.727.370.00 1.727.180.00 51.02.0144	6 V	Display Board Shuttle Control 0.03 A Lamp				1.011.235.25 1.011.235.29 1.011.235.30 1.011.235.31	2 pcs 26 pcs 21 pcs 6 pcs	Conductive rubber 5* Bolt Push button 14*5 Dumay calotte	
	B3 B4	51.02.0144 51.02.0144 51.02.0144	6 V 6 V 6 V	0.03 A Lamp 0.03 A Lamp 0.03 A Lamp			MP11 MP12 MP13	1.011.235.32 1.011.235.33 1.011.235.34	3 рсв 14 рсв 3 рсв	Calotte red Calotte yel Calotte grn	
	C1 C2	59.06.0683 59.22.3221 59.22.3221	68 nF 220 uF 220 uF	10% 50 V PETP -20% 10 V EL -20% 10 V EL			MP14 MP15 MP16 MP17	1.727.360.02 1.727.360.03 1.727.360.04 1.727.360.05	l pce 1 pce 5 pcs 1 pce	Push button case with Shuttle Conductive rubber with Shuttle Push button 19*14 Push button Adj.	
	C4 C5 C6	59.22.3221 59.22.3102 59.22.5220 59.22.5220	1000 uF 22 uF 22 uF	-20% 10 V EL -20% 25 V EL -20% 25 V EL			MP19 MP19 MP20	1.727.664.10 1.727.660.12 53.03.0221	Se boa 1 bcs 1 bcs 1 bcs	No. Label Command Panel PCB 2-pole LED Socket	
	C11 C12 C13	59.22.6100 59.34.2220 59.06.0105	10 uF 22 pF 1 uF	-20% 25 V EL 10% 50 V CER 10% 50 V PETP			MP21 MP22 MP23	1.727.362.93 21.53.0354 23.01.2032	2 pcs 2 pcs 2 pcs	L-LST Command Panel Board Hexagon socket head cap screw M3* Washer	6
	C15 C21 C22	59.06.0683 59.22.6100 59.34.2220	68 nF 10 uF 22 pF	10% 50 V PETP -20% 25 V EL 10% 50 V CER 10% 50 V PETP			MP24 MP25 MP26	24.16.1030 43.01.0108 1.727.360.07 1.727.360.08	2 pcs 1 pcs 1 pcs	Fin washer ESE Warning label Push button label / PLAY Push button label / STOP	
	C23 C25 C26 C27	59.06.0105 59.06.0683 59.45.4101	1 uF 68 nF 100 pF	10% 50 V PETP 10% 50 V PETP 10% 50 V CER not used			MP27 MP28 MP29	1.727.360.08 1.727.364.02 1.727.360.19	1 pce 1 pce 2 pcs	Push button label , blank (for SI) Push button labels, FORWARD, REWIN	
	C28 C29 C30	59.45.4101 59.45.4101	100 pF	10% 50 V CER not used 10% 50 V CER			P1 P2 P3	54.02.0320 54.02.0320 54.02.0320		Plug 2.8+0.8 Plug 2.8+0.8 Plug 2.8+0.8	1
	D1	59.45.4101 50.04.0512 50.04.0125	100 pF 1N5818 1N4448	10% 50 V CER 30 V Schottky 50 V SI			P5 P6	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	i
	D12 D13 D14	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI			Q1 Q2 Q3	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN	
	D21 D22 D23	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI			Q4 Q5 Q6	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN	
υ	DER (00) 91/07/12 GP	COMMAND PA	NEL BOARD 2VU PBO PL 1.727.664	1.82 PAGE 1	STU	DER (O	0) 91/07/12 GP	COHHAND PAR	NEL BOARD 2VU PBO PL 1.727.664.8	92 PAGE
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND.	PO5.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	на
	D24 D30 D31	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI	and and and and and any and any and and and and and		R1 R2 R3	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	D32 D33 D34	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI			R5 R6	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	D35 D36 D37	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI			R7 R8 R9 R10	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL7 DL8 DL9	50.04.2501 50.04.2500 50.04.2500	MV5452 MV5352 MV5352	LED grn D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		R15 R15 R25	57.11.3391 57.11.3102 57.11.3391	390 Ghm 1 kOhm 390 Ghm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL10 DL11 DL12	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		R26 R27 R28	57.11.3391 57.11.3391 57.11.3272	390 Ohm 390 Ohm 2.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL13 DL14 DL15 DL16	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI		R30 R31 R32	57.11.3474 57.11.3153 57.11.3682 57.11.3153	470 kOhm 15 kOhm 6.8 kOhm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL17 DL41 DL42	50.04.2500 50.04.2500 50.04.2501	MV5352 MV5352 MV5452	LED yel D=5 mm LED yel D=5 mm LED grn D=5 mm	GI GI GI		R33 R34 R35	57.11.3682 57.11.3682 58.01.8503	6.8 kOhm 6.8 kOhm 50 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 10%, 0.5 W, PCerm	
	DL43 DL44 DL45	50.04.2500 50.04.2115 50.04.2500 50.04.2500	MV5352 MV5752 MV5352 MV5352	LED yel D=5 mm LED red D=5 mm LED yel D=5 mm	GI GI GI GI		R36 R37 R38	57.11.3822 57.11.3203 57.11.3203 57.11.3103	8.2 kOhm 20 kOhm 20 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL46 DL47 DL48 DL49	50.04.2115 50.04.2501 50.04.2115	MV5752 MV5452 MV5752	LED yel D=5 mm LED red D=5 mm LED grn D=5 mm LED red D=5 mm	GI GI GI		R40 R41 R42	57.11.3203 57.11.3103 57.11.3332	20 kOhm 10 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL61 DL62 DL63	50.04.2119 50.04.2119 50.04.2119	MV57124 MV57124 MV57124	LED red 6.35+3.81 LED red 6.35+3.81 LED red 6.35+3.81	GI GI GI		R43 R44 R45	57.11.3472 57.11.3182 57.11.3151	4.7 kOhm 1.8 kOhm 150 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL65 DL66	50.04.2119 50.04.2119 50.04.2119	MV57124 MV57124 MV57124	LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81	GI GI		R46 R47 R48 R49	57.11.3202 57.11.3751 57.11.3153 57.11.3332	2 kOhm 750 Ohm 15 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
U :	DER (O	O) 91/07/12 GP	COMMAND PAR	NEL BOARD 2VU PBO PL 1.727.664	.82 PAGE 2	STU		00) 91/07/12 GP		NEL BOARD 2VU PBO PL 1.727.664.8	32 PAGE
	POS.NO.	PART NO. 50.17.1595	VALUE 74HC595	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO. R50	PART NO. 58.01.8503	VALUE 50 kOhm	SPECIFICATIONS / EQUIVALENT	MAI
	IC2 IC3 IC4	50.17.1595 50.09.0107 50.09.0107	74HC595 RC4559 RC4559	8-Bit Shift Register Dual Op. Amp. Dual Op. Amp.	TI Ra Ra		R55 R65 R66	57.11.3102 57.11.3391 57.11.3391	1 kOhm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	IC6 IC7	50.05.0199 50.17.1595 50.17.1595	LM324 74HC595 74HC595	Quad Op. Amp. 8-Bit Shift Register 8-Bit Shift Register	NS, Mot TI TI		R67 R68 R69	57.11.3391 57.11.3272 57.11.3474 57.11.3153	390 Ohm 2.7 kOhm 470 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	IC8 IC9 IC10 IC12	50.09.0107 50.09.0107 50.05.0199 50.06.0596	RC4559 RC4559 LM324 74LS596	Dual Op. Amp. Dual Op. Amp. Quad Op. Amp. 8-Bit Shift Register O.C.	Ra Ra NS,Mot TI		R70 R71 R72 R73	57.11.3153 57.11.3682 57.11.3153 57.11.3682	15 kOhm 6.8 kOhm 15 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	J1 J2	50.17.1595 54.01.0287 54.01.0288	74HC595 3-Pole 5-Pole	8-Bit Shift Register CIS Socket Strip CIS Socket Strip	TI AMP AMP		R74 R75 R76 R77	57.11.3682 58.01.8503 57.11.3822 57.11.3203	6.8 kOhm 50 kOhm 8.2 kOhm 20 kOhm	1%, 0.25W, MF 10%, 0.5 W, PCerm 1%, 0.25W, MF 1%, 0.25W, MF	
	J4 JP6	54.01.0237 54.01.0237 54.01.0021	20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip Bridge	AMP AMP		R78 R79 R80 R81	57.11.3203 57.11.3103 57.11.3203 57.11.3103	20 kOhm 10 kOhm 20 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	JP10 JP11 JP12	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge			R82 R83 R84	57.11.3332 57.11.3472 57.11.3182	3.3 kOhm 4.7 kOhm 1.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	JP13 JP14 JP15 JP16	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge			R85 R86 R87 R88	57.11.3151 57.11.3202 57.11.3751 57.11.3153	150 Ohm 2 kOhm 750 Ohm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	JP16 JP17 JP46 JP48	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge not usod Bridge			R89 R90 R101	57.11.3332 58.01.8503 57.11.3391	3.3 kOhm 50 kOhm 390 Ohm	1%, 0.25W, MF 10%, 0.5 W, PCerm 1%, 0.25W, MF	
	ME1	1.727.360.01		VU Meter VU Meter			R102 R103 R104	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	MP1	54.01.0020 1.011.235.03	30 pcs 3 pcs 2 pcs	Contact Pin Push button case 3* Push button case 5*			R105 R106 R107 R108	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF	
	MP2 MP4	1.011.235.05					r108				

	PO5.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R110 R111	57.11.3102 57.11.3102	1 kOhm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF	
	S6	55.15.0130		Push button Switch	ITT
	W41 W42 W43 W46 W141 W142 W143	64.01.0106 64.01.0106 64.01.0106 64.01.0106		Gire Bridge Gire Bridge Mire Bridge Mire Bridge not used not used not used	
	XB1 XB2 XB3 XB4	53.04.0107 53.04.0107 53.04.0107 53.04.0107		Lamp holder Lamp holder Lamp holder Lamp holder	
	XIC1 XIC2 XIC3 XIC4 XIC6 XIC6 XIC7 XIC8 XIC9 XIC9 XIC10 XIC12 XIC13	53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0167 53.03.0168 53.03.0168 53.03.0166 53.03.0167 53.03.0167 53.03.0167	16-Pole 16-Pole 8-Pole 14-Pole 16-Pole 16-Pole 8-Pole 8-Pole 14-Pole 16-Pole	IC Socket	
IND	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
MF=Met	tal Film, PC ACTURER: AMP NS=	clectrolytic, Permept. Cerme Pot. Cerme C., Cerme	t, nstrument, I' onductor , Pl	r, SI=Silicon, TT, Mot=Motorola, n=Philips, Ra=Raytheon,	
MF=Met	tal Film, PC ACTURER: AMP NS=	erm=Pot. Cerme , GI=General I: National Semio	t, nstrument, I' onductor , Pl	TT, Mot=Motorola,	
MF=Met	tal Film, PC ACTURER: AMP NS=	erm=Pot. Cerme , GI=General I: National Semio	t, nstrument, I' onductor , Pl	TT, Mot=Motorola,	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	A1 A2 B1 B2	1.727.370.00 1.727.180.00 51.02.0144 51.02.0144	6 V	Display Board Shuttle Control 0.03 A Lamp 0.03 A Lamp			MP26 MP27 MP28 MP29 MP30	1.727.360.07 1.727.360.08 1.727.364.02 1.727.360.19 1.011.235.35	1 pce 1 pce 1 pce 2 pcs 1 pce	Push button label , PLAY Fush button label , STOP Push button label , blank (for S Push button labels, FORMARD, REWI Dummy push button 1945 (S49)	18) ND
	C1 C2 C3	59.06.0683 59.22.3221 59.22.3221	68 nF 220 uF 220 uF	10% 50 V PETP -20% 10 V EL -20% 10 V EL			P1 P2 P3	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP
	C5 C6 C11	59.22.3102 59.22.5220 59.22.5220 59.22.6100	1000 uF 22 uF 22 uF 10 uF	-20% 10 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL			Q1 Q2 Q3	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN	
	C13 C15 C25	59.06.0105 59.06.0683 59.06.0683	22 pF 1 uF 68 nF 68 nF	10% 50 V CER 10% 50 V PETP 10% 50 V PETP 10% 50 V PETP			R2 R3	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF	
	C26 C27 C28 C29	59.45.4101	100 pF	10% 50 V CER not used 10% 50 V CER not used			R5 R6 R7	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	D1	59.45.4101 59.45.4101 50.04.0512	100 pF 100 pF 1N5818	10% 50 V CER 10% 50 V CER 30 V Schottky			R9 R10 R11	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	D12 D13 D14	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI 50 V SI			R25 R26 R27	57.11.3102 57.11.3391 57.11.3391 57.11.3391	1 kOhm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	D31 D32 D33	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI 50 V SI 50 V SI			R29 R30 R31	57.11.3272 57.11.3474 57.11.3153 57.11.3682	2.7 kOhm 470 kOhm 15 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	D34 D35 D36 D37	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI			R32 R34 R35	57.11.3153 57.11.3682 57.11.3682 58.01.8503	15 kOha 6.8 kOhm 6.8 kOhm 50 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 10%, 0.5 W, PCerm	
STU	DER (00) 91/07/12 GP	COMMAND PA	NEL BOARD 1VU PBO PL 1.727.66	55.82 PAGE 1	STU	DER (00) 91/07/12 GP	COMMAND PA	NEL BOARD 1VU PBO PL 1.727.665.	82 PAGE 4
IND.	POS.NO.	50.04.2501	HV5452	LED grn D=5 mm	MANUF.		POS.NO.	PART NO. 57.11.3822	VALUE 8.2 kOhm	SPECIFICATIONS / EQUIVALENT 1%, 0.25W, MF	HANUF.
	DL9 DL10 DL11	50.04.2500 50.04.2500 50.04.2500 50.04.2500	NV5352 NV5352 NV5352 NV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI		R38 R39 R40	57.11.3203 57.11.3203 57.11.3103 57.11.3203	20 kOhm 20 kOhm 10 kOhm 20 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF	
	DL12 DL13 DL14 DL15	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI		R42 R43 R44	57.11.3103 57.11.3332 57.11.3472 57.11.3182	10 kOhm 3.3 kOhm 4.7 kOhm 1.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL16 DL17 DL41 DL42	50.04.2500 50.04.2500 50.04.2500 50.04.2501	MV5352 MV5352 MV5352 MV5452	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED grn D=5 mm	GI GI GI GI		R45 R46 R47 R48	57.11.3151 57.11.3202 57.11.3751 57.11.3153	150 Ohm 2 kOhm 750 Ohm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	DL43 DL44 DL45 DL46	50.04.2500 50.04.2115 50.04.2500 50.04.2500	MV5352 MV5752 MV5352 MV5352	LED yel D=5 mm LED red D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		R50 R55 R101	57.11.3332 58.01.8503 57.11.3102 57.11.3391	3.3 kOhm 50 kOhm 1 kOhm 390 Ohm	1%, 0.25W, MF 10%, 0.5 W, PCerm 1%, 0.25W, MF 1%, 0.25W, MF	
	DL48 DL61 DL62	50.04.2115 50.04.2501 50.04.2119 50.04.2119	MV5752 MV5452 MV57124 MV57124	LED red D=5 mm LED grn D=5 mm LED red 6.35*3.81 LED red 6.35*3.81	GI GI GI		R102 R103 R104 R105	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	IC1 IC2	50.04.2119 50.17.1595 50.17.1595	MV57124 74HC595 74HC595	LED red 6.35*3.81 8-Bit Shift Register 8-Bit Shift Register	GI TI TI		R106 R107 R108 R110	57.11.3391 57.11.3391 57.11.3391 57.11.3102	390 Ohm 390 Ohm 390 Ohm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF	
	IC9 IC5 IC6	50.09.0107 50.09.0107 50.05.0199 50.17.1595	RC4559 RC4559 LM324 74HC595	Dual Op. Amp. Dual Op. Amp. Quad Op. Amp. 8-Bit Shift Register	Ra Ra NS/Mot TI		R111 S6	57.11.3102 55.15.0130	1 kOhm	1%, 0.25%, MF Push button Switch	ITT
	IC12 IC13	50.06.0596 50.17.1595 54.01.0287	74LS596 74HC595 3-Pole	8-Bit Shift Register O.C. 8-Bit Shift Register CIS Socket Strip	TI TI AMP		W42 W43 W46	64.01.0106 64.01.0106 64.01.0106 64.01.0106		Wire Bridge Wire Bridge Wire Bridge Wire Bridge	
	J2 J4	54.01.0288 54.01.0237 54.01.0237	5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP		W141 W142 W143			not used not used not used	
STU	DER (00) 91/07/12 GP	COMMAND PA	NEL BOARD 1VU PBO PL 1.727.66	5.82 PAGE 2	STU	DER (C	00) 91/07/12 GP	COMMAND PA	NEL BOARD 1VU PBO PL 1.727.665.8	82 PAGE 5
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.
	JP6 JP10 JP11	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge			жв1 ЖВ2	53.04.0107 53.04.0107		Lamp holder Lamp holder	
	JP12 JP13 JP14 JP15	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge			XIC1 XIC2 XIC3 XIC4	53.03.0168 53.03.0168 53.03.0166 53.03.0166	16-Pole 16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
	JP16 JP17 JP46 JP48	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge not used Bridge			XIC5 XIC6 XIC12 XIC13	53.03.0167 53.03.0168 53.03.0168 53.03.0168	14-Pole 16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket	
	MP1	1.727.360.01 54.01.0020	30 ров	VU Meter Contact Pin							
	MP2 MP4 MP5 MP7	1.011.235.03 1.011.235.05 1.011.235.23 1.011.235.25	3 pcs 2 pcs 3 pcs 2 pcs	Push button case 3* Push button case 5* Conductive rubber 3* Conductive rubber 5*							
	MP9 MP10 MP11	1.011.235.29 1.011.235.30 1.011.235.31 1.011.235.32	20 pcs 6 pcs 20 pcs	Bolt Push button 14*5 Dummy calotte Calotte red							
	MP12 MP13 MP14 MP15	1.011.235.33 1.011.235.34 1.727.360.02 1.727.360.03	14 pcs 3 pcs 1 pcs 1 pcs	Calotte yel Calotte grn Push button case with Shuttle Conductive rubber with Shuttle							
	MP16 MP17 MP18 MP19	1.727.360.04 1.727.360.05 1.727.665.10 1.727.660.12	5 pcs 1 pce 1 pce 1 pce	Push button 19*14 Push button Adj. No. Label Command Panel PCB		CER=C	eramic, EL:	=Electrolytic, E	PETP=Polveste	r, SI=Silicon,	
	MP20 MP21 MP22 MP23	53.03.0221 1.727.362.93 21.53.0354 23.01.2032	22 pcs 1 pcs 2 pcs 2 pcs	2-pole LED Socket L-LST Command Panel Board Hexagon socket head cap screw : Washer	M3*6	MF=Me	tal Film, I ACTURER: AP	PCerm=Pot. Cerme MP, GI=General I	st, Instrument, I conductor , P	TT, Mot=Motorola, h=Philips, Ra=Raytheon,	
STU	MP24 MP25	24.16.1030 43.01.0108 0) 91/07/12 GP	2 pcs 1 pcs	Fin washer ESE Warning label NEL BOARD 1VU PBO PL 1.727.66	5.82 PAGE 3		91/07/12			NEL BOARD 1VU PBO PL 1,727.665.	82 PAGE 6
											-



D. POS.NO.	PART WO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF
A1 A2 C1	1.727.370.00 1.727.180.00 59.06.0683	68 nF	Display Board Shuttle Control 10% 50 V PETP			S6 W41 W42	55.15.0130 64.01.0106 64.01.0106		Push button Switch Wire Bridge Wire Bridge	ITI
C2 C3 C4 C25	59.22.3221 59.22.3221 59.22.3102 59.06.0683	220 uF 220 uF 1000 uF 68 nF	-20% 10 V EL -20% 10 V EL -20% 10 V EL 10% 50 V PETP			W43 W46 W141 W142	64.01.0106		Wire Bridge not used not used not used	
C26 C27 C28	59.45.4101 59.45.4101	100 pF	10% 50 V CER not used 10% 50 V CER			W143 XIC1	53.03.0168	16-Pole	not used IC Socket	
C29 C30 D1	59.45.4101 50.04.0512	100 pF 1N5818	not used 10% 50 V CER 30 V Schottky			XIC2 XIC12 XIC13	53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket	
D30 D31 D32 D33	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI 50 V SI							
D34 D35 D36	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI							
D37 DL7 DL8	50.04.0125 50.04.2501 50.04.2500	1N4448 HV5452 HV5352	50 V SI LED grn D=5 mm LED yel D=5 mm	GI GI						
DL9 DL10 DL11 DL12	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI						
DL13 DL14 DL15	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI	MF=Mei	al Film, PO	Electrolytic, Pl Cerm=Pot. Cermet P, GI=General I	:/ nstrument/ I'	TT, Mot=Notorola,	
DL16 DL17 DL18 DL41	50.04.2500 50.04.2500 50.04.2115 50.04.2501	MV5352 MV5352 MV5752 MV5452	LED yel D=5 mm LED yel D=5 mm LED red D=5 mm LED grn D=5 mm	GI GI GI	ORIG S	NS: TI:	=National Semice =Texas Instrume:	nductor / Pi	h=Philips, Ra=Raytheon,	
	00) 91/07/12 GP		NEL BOARD OVU(4CH) PL 1.727.666.82				0) 91/07/12 GP	COMMAND PAI	NEL BOARD OVU(4CH) PL 1.727.666.	.82 PAGE
ID. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
DL42 DL43 DL44	50.04.2500 50.04.2500 50.04.2115	NV5352 NV5352 NV5752	LED yel D=5 nn LED yel D=5 nn LED red D=5 nn	GI GI GI						
DL46 IC1 IC2	50.04.2501 50.17.1595 50.17.1595	MV5452 74HC595 74HC595	LED grn D=5 mm 8-Bit Shift Register 8-Bit Shift Register	GI TI TI						
IC12 IC13	50.06.0596 50.17.1595 54.01.0287	74LS596 74HC595 3-Pole	8-Bit Shift Register O.C. 8-Bit Shift Register CIS Socket Strip	TI TI AMP						
J1 J2 J3 J4	54.01.0287 54.01.0288 54.01.0237 54.01.0237	3-Pole 5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP						
JP6 JP10 JP11	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge							
JP12 JP13 JP14 JP15	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge							
JP16 JP17 JP46 JP48	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge not used							
MP1 MP2	54.01.0020 1.011.235.03	30 pcs 2 pcs	Contact Pin Push button case 3*							
MP5 MP7 MP8	1.011.235.05 1.011.235.23 1.011.235.25 1.011.235.29	2 pcs 2 pcs 2 pcs 22 pcs	Push button case 5* Conductive rubber 3* Conductive rubber 5* Bolt							
MP9 MP10 MP11	1.011.235.30 1.011.235.31 1.011.235.32 1.011.235.33	17 pcs 5 pcs 2 pcs	Push button 14*5 Dummy calotte Calotte red Calotte vel							
	00) 91/07/12 GP	12 pcs COMMAND PA	NEL BOARD OVU(4CH) PL 1.727.666.82	PAGE 2						
D. POS.NO.	PART NO.	VALUE 3 pcs	SPECIFICATIONS / EQUIVALENT Calotte grn	MANUF.						
NP14 NP15 NP16 NP17	1.727.360.02 1.727.360.03 1.727.360.04 1.727.360.05	1 pcs 1 pcs 5 pcs 1 pcs	Push buttom case with Shuttle Conductive rubber with Shuttle Push buttom 19*14 Push buttom Adj.							
MP18 MP19 MP20 MP22	1.727.666.10 1.727.660.12 53.03.0221 21.53.0354	1 pcs 1 pcs 17 pcs 2 pcs	No. Label Command Panel PCB 2-pole LED Socket Hexagon socket head cap screw M3*6							
MP23 MP24 MP25	23.01.2032 24.16.1030 43.01.0108	2 pcs 2 pcs 1 pcs	Washer Fin washer ESE Warning label	,						
MP26 MP27 MP28 MP29	1.727.360.07 1.727.360.08 1.727.360.09 1.727.360.19	1 pce 1 pce 1 pce 2 pcs	Push button label , PLAY Push button label , STOP Push button label , RECORD Push button labels, FORWARD, REWIND)						
HP30 H1 H2	1.011.235.35 57.11.3391 57.11.3391	1 pcs 390 Ohm 390 Ohm	Dummy push button 19*5 1%, 0.25W, MF 1%, 0.25W, MF							
R3 R4 R5	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF							
R6 R7 R8 R9	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF							
R10 R11 R15 R101	57.11.3391 57.11.3391 57.11.3102 57.11.3391	390 Ohm 390 Ohm 1 kOhm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF							
R102 R103 R104	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF							
R106 R110	57.11.3391 57.11.3102 57.11.3102	390 Ohm 1 kOhm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF							

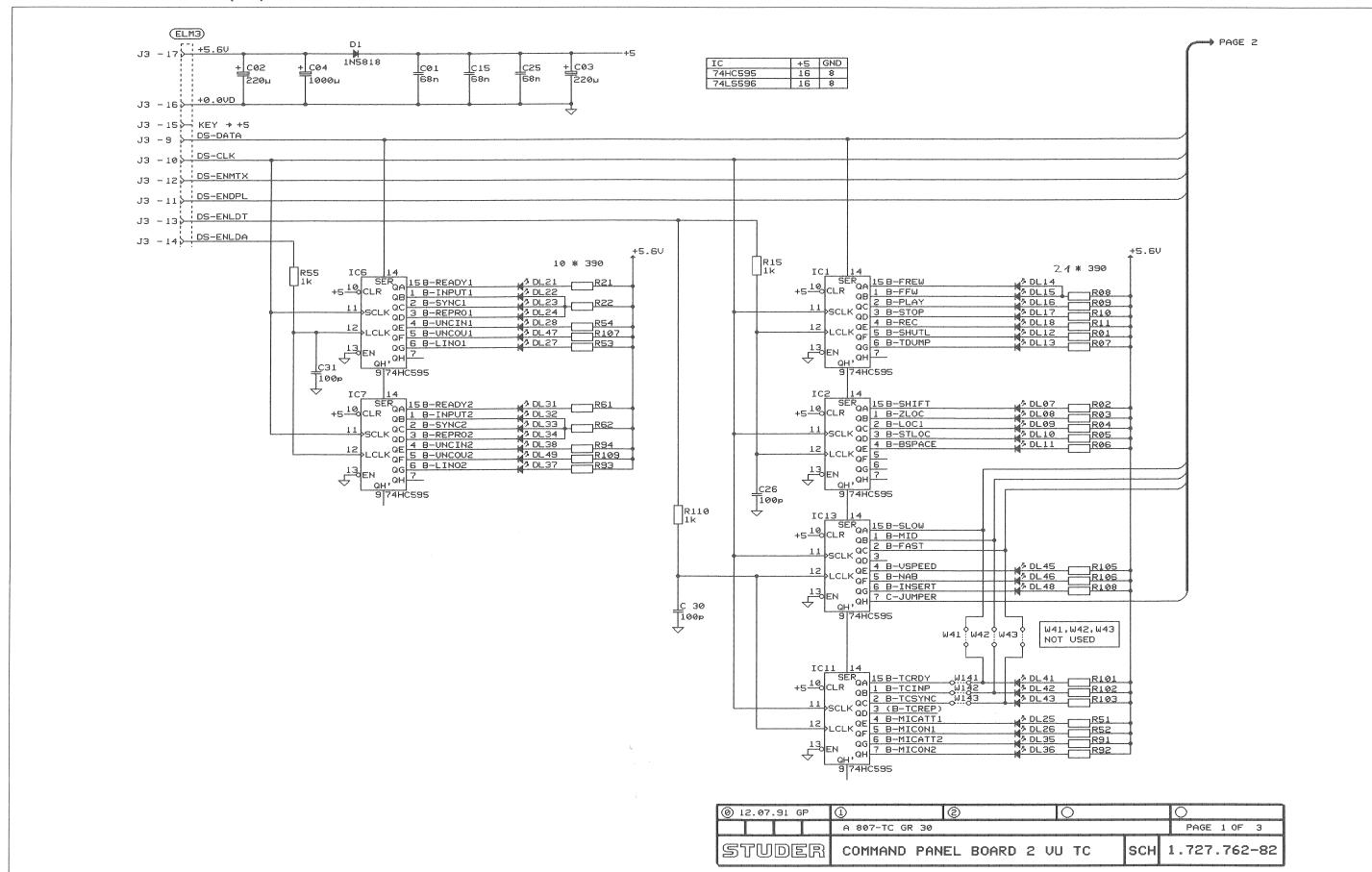
COMMAND PANEL BOARD UNCAL PBO (2CH) 1.727.667.82

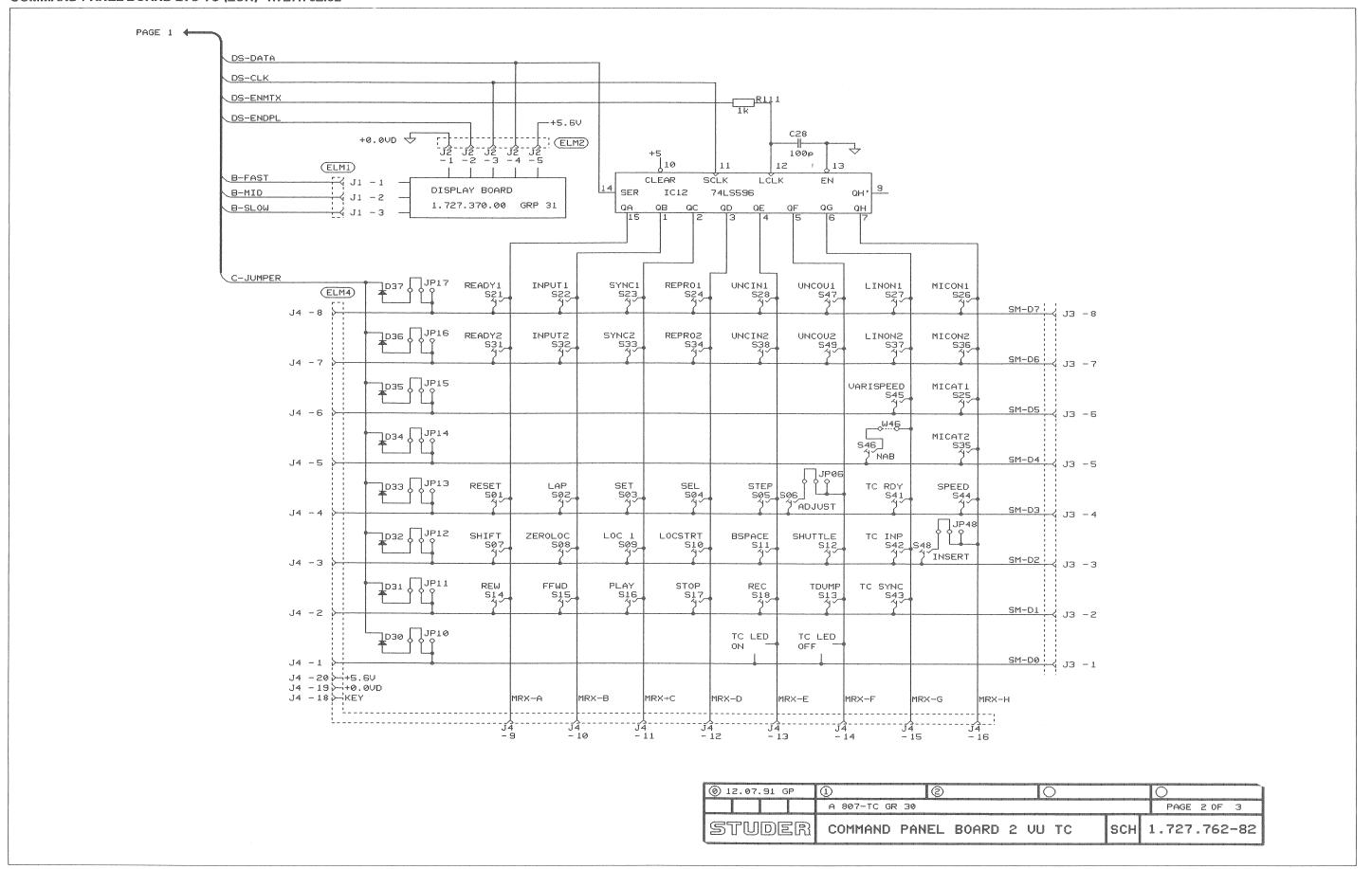
IND. PO	O5.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF
A C C C C C C C C C C C C C C C C C C C		1,727,370.00 1,727,180.00 1,727,180.00 59.06,0683 59.22,3321 59.22,3102 59.26,3102 59.06,0683 59.06,0683 59.45,4101 59.45,4101 59.45,4101 59.45,4101 59.45,4101 59.45,4101 59.04,0125 50.04,0125	68 nF 220 uF 220 uF 220 uF 1000 uF 66 nF 100 pF 100 pF 100 pF 100 pF 104448 1N4448 1N4448 1N4448 1N4448 1N4448 NV5452 NV5352 NV5352	Display Board Shuttle Control 10X 50 V PETP -20X 10 V EL -20X 10 V EFP 10X 50 V PETP 10X 50 V CER not used 10X 50 V CER 10X 50 V CER 20X 50 V SI	61 61 61 61		R. 101 R. 102 R. 103 R. 104 R. 105 R. 105 R. 106 R. 107 R. 108 R. 110 R. 111 S. 61 W. 41 W. 42 W. 43 W. 46 W. 141 W. 142 W. 143 XIC. 12 XIC. 12 XIC. 13	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.302 57.11.302 57.11.302 57.11.3102 57.	390 Ohm 1 kOhm 1 kOhm 1 kOhm 1 kOhm	12, 0.25W, MF 13, 0.25W, MF 14, 0.25W, MF 14, 0.25W, MF 15, 0.25W, MF 12, 0.25W, MF 13, 0.25W, MF 14, 0.25W, MF 15, 0.25W, MF 16, 0.25W, MF 17, 0.25W, MF 17, 0.25W, MF 18, 0.25W, MF 18	ITT
DL DL DL	12	50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI	MF=Me	tal Film, PC ACTURER: AMP NS-	lectrolytic, PE erm=Pot. Cermet , GI=General In National Semico Texas Instrumen	:, strument, IT nductor , Ph	, SI=Silicon, T, Mot=Motorola, -Philips, Ra=Raytheon,	
DL	16	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm NEL BOARD UNCAL PBO PL 1.727.667.82	GI GI		91/07/12			EL BOARD UNCAL PBO PL 1.727.66	7.82 PAGE
IND. PO	OS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
DI DI	L41 L42 L43	50.04.2500 50.04.2501 50.04.2500 50.04.2115	MV5352 KV5452 MV5352 KV5752	LED yel D=5 mm LED grn D=5 mm LED yel D=5 mm LED red D=5 mm	GI GI GI						
DI DI DI	45	50.04.2500 50.04.2500 50.04.2115 50.04.2501 50.04.2115	MV5352 MV5352 MV5752 MV5452 MV5752	LED yel D=5 mm LED yel D=5 mm LED red D=5 mm LED grn D=5 mm LED red D=5 mm	GI GI GI GI						
10 10 10	1 2 6 7 12	50.17.1595 50.17.1595 50.17.1595 50.17.1595 50.06.0596 50.17.1595	74HC595 74HC595 74HC595 74HC595 74LS596 74HC595	8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register O.C. 8-Bit Shift Register O.C.	TI TI TI TI TI						
J. J.	1	54.01.0287 54.01.0288 54.01.0237 54.01.0237	3-Pole 5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP						
JE JE JE JE JE JE JE JE	26 210 211 212 213 214 215 215 216 217 246	54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge							
ME ME	21 22 24	54.01.0020 1.011.235.03 1.011.235.05	30 pcs 3 pcs 2 pcs	Contact Pin Push button case 3* Push button case 5*							
STUDE	ER (O	0) 91/07/12 GP	COMMAND PA	NEL BOARD UNCAL PBO PL 1.727.667.82	PAGE 2						
ND. PO	S.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
MP MP MP MP	8	1.011.235.23 1.011.235.25 1.011.235.29 1.011.235.30 1.011.235.31 1.011.235.32	3 pcs 2 pcs 26 pcs 21 pcs 6 pcs	Conductive rubber 3* Conductive rubber 5* Bolt Push button 14*5 Dunny calotte Calotte red	4 1 100 107 (27 100 100						
MP MP MP MP	12	1.011.235.33 1.011.235.34 1.727.360.02 1.727.360.03 1.727.360.04	3 pcs 14 pcs 3 pcs 1 pcs 1 pcs 5 pcs	Calotte yel Calotte grant case with Shuttle Conductive rubber with Shuttle Push button 19414							
MP MP MP MP	17	1.727.360.05 1.727.667.10 1.727.660.12 53.03.0221 21.53.0354	1 pce 1 pce 1 pce 20 pcs 2 pcs	Push button Adj. No. Label Command Panel PCB 2-pole LED Socket Hexagon socket head cap screw M3*6							
HP HP HP HP HP	23 24 25 26	23.01.2032 24.16.1030 43.01.0108 1.727.360.07 1.727.360.08 1.727.364.02 1.727.360.19	2 pcs 2 pcs 1 pcs 1 pce 1 pce 1 pce	Washer Fin washer ESE Warning label Push button label , PLAY Push button label , STOP Push button label , blank (for 518 Push button label , prowARD.REWIND	,						
R. R. R. R. R. R.	1 2 4 5 6 7 8 9 10 11 15	57.11.3391 57.11.3391 57.11.3991 57.11.3991 57.11.3991 57.11.3991 57.11.3391 57.11.3391 57.11.3391 57.11.3102 57.11.3102	2 pcs 390 Ohm 1 kOhm	12. 0.250, MF							
T U D E	R (00)) 91/07/12 GP	COMMAND PAN	EL BOARD UNCAL PBO PL 1.727.667.82	PAGE 3						

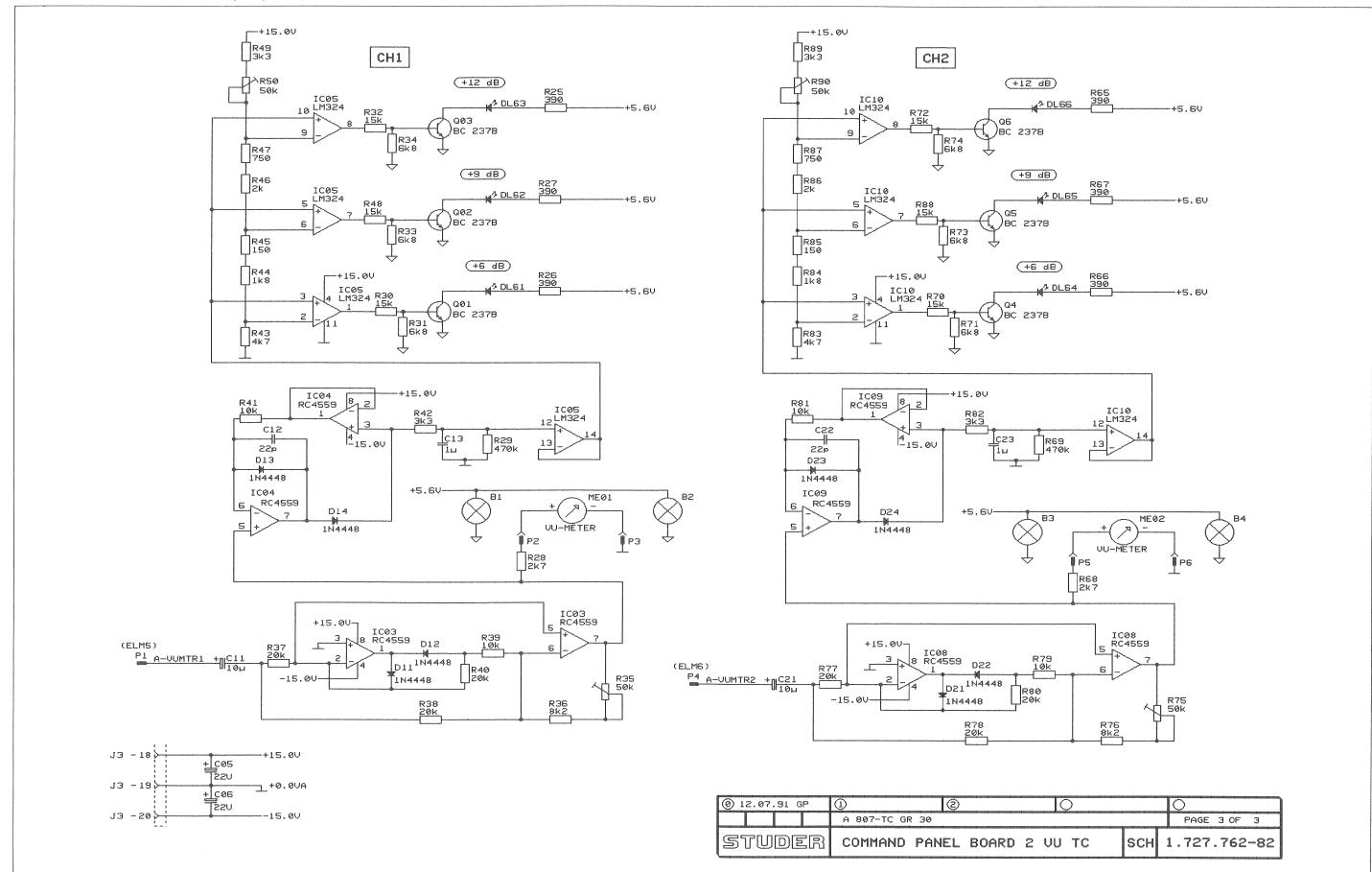
COMMAND PANEL BOARD UNCAL BOARD MONO PBO (2CH) 1.727.668.82

ND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF
	A1 A2 C1 C2 C3 C4 C15 C25 C26 C26 C27 C28 C29	1,727,370,00 1,727,180,00 59,06,0683 59,22,3221 59,22,3221 59,22,3102 59,06,0683 59,06,0683 59,45,4101	68 nF 220 uF 220 uF 1000 uF 68 nF 68 nF 100 pF	Display Board Shuttle Control 10% 50 V PETP -20% 10 V EL -20% 10 V EL -20% 10 V EL 10% 50 V PETP 10% 50 V PETP 10% 50 V CER			R102 R103 R104 R105 R106 R107 R108 R109 R110 R111	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3102 57.11.3102	390 Ohm 1 kOhm	1X. 0.759. MF 1X. 0.259. MF	ITT
	C30 C31 D1 D30 D31 D32 D33	59.45.4101 59.45.4101 50.04.0512 50.04.0125 50.04.0125 50.04.0125 50.04.0125	100 pF 100 pF 1N5818 1N4448 1N4448 1N4448	10% 50 V CER 10% 50 V CER 30 V Schottky 50 V SI 50 V SI 50 V SI 50 V SI			W41 W42 W43 W46 W141 W142	64.01.0106 64.01.0106 64.01.0106 64.01.0106		Wire Bridge Wire Bridge Wire Bridge Wire Bridge not used not used not used	
	D34 D35 D36 D37 DL7 DL7	50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.2501 50.04.2500 50.04.2500	1N4448 1N4448 1N4448 1N4448 1N4448 MV5452 MV5352 MV5352	50 V SI LED grn D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		XIC1 XIC2 XIC6 XIC12 XIC13	53.03.0168 53.03.0168 53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket IC Socket	
	DL10 DL11 DL12 DL13 DL14 DL15 DL15 DL16 DL17	50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352 MV5352 MV5352 MV5352 MV5352	LED yel D=5 nn	GI GI GI GI GI GI GI	MF=Me MANUF ORIG	tal Film, PO ACTURER: AMI NS: TI:	=National Semic =Texas Instrume	t, nstrument, I onductor , P nts	r/ SI=Silicon/ TT, Mot=Motorola/ h=Philips/ Ra=Raytheon/ N.BOARD UNC MONO PBO PL 1.727.668.8	82 PAGE
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	DL41 DL42 DL43 DL44 DL45 DL46 DL47 DL48	50.04.2500 50.04.2501 50.04.2500 50.04.2115 50.04.2500 50.04.2500 50.04.2115 50.04.2501	NV5352 NV5452 NV5352 NV5752 NV5752 NV5352 NV5352 NV5752 NV5452	LED yel D=5 nm LED grn D=5 nn LED red D=5 nn LED red D=5 nn LED yel D=5 nn LED yel D=5 nn LED yel D=5 nn LED grn D=5 nn	GI GI GI GI GI GI GI						
	IC1 IC2 IC6 IC12 IC13	50.17.1595 50.17.1595 50.17.1595 50.06.0596 50.17.1595 54.01.0287 54.01.0288	74HC595 74HC595 74HC595 74LS596 74HC595 3-Pole 5-Pole	8-Bit Shift Register 8-Bit Shift Register 9-Bit Shift Register 9-Bit Shift Register O.C. 8-Bit Shift Register CIS Socket Strip CIS Socket Strip	TI TI TI TI TI AMP AMP						
	J 2 J 3 J 4 JP 6 JP 10 JP 11 JP 12 JP 13 JP 14 JP 15 JP 16 JP 16 JP 17	54.01.0237 54.01.0237 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021	20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip Bridge	AMP AMP						
	MP1 MP2 MP4 MP5 MP7	54.01.0020 1.011.235.03 1.011.235.05 1.011.235.23 1.011.235.25	30 pcs 3 pcs 2 pcs 3 pcs 2 pcs	Contact Pin Push button case 3+ Push button case 54 Conductive rubber 34 Conductive rubber 54 N.BOARD UNC MONO PBO PL 1.727.668.82	PAGE 2						
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	NP8 MP9 MP10 MP11 MP12 MP13 MP15 MP15 MP15 MP16 MP17 MP18 MP17 MP20 MP20 MP20 MP20 MP23 MP24 MP25 MP25 MP25 MP25 MP26 MP27	1. 0.11. 235. 29 1. 0.11. 235. 30 1. 0.11. 235. 31 1. 0.11. 235. 31 1. 0.11. 235. 33 1. 0.11. 235. 34 1. 727. 360. 02 1. 727. 360. 04 1. 727. 360. 04 1. 727. 360. 05 1. 727. 660. 12 23. 01. 2032 24. 16. 1030 43. 01. 0108 1. 727. 360. 07 1. 727. 360. 08	25 pcs 6 pcs 6 pcs 6 pcs 2 pcs 14 pcs 3 pcs 1 pcs 1 pcs 5 pcs 1 pcs 1 pcs 2 pcs 2 pcs 2 pcs 2 pcs 1 pcs 2 pcs 1 pcs 2 pcs 1 pcs 2 pcs 1 pcs 1 pcs 1 pcs 2 pcs 1 pcs	Bolt Dunay calotte Calotte or Calotte or Calotte gra Push button case with Shuttle Conductive rubber with Shuttle Push button 19x14 Push button 19x14 Push button 19x14 Push button Mdy. No. Label Consand Fanal PES Pose LED Socket Pose LED Socket Hander Fin wesher ESE Warning label Push button label , PLAY Push button label , PLAY Push button label , Slank (for 510) Push button label , Slank (for 510) Push button label so TORWARRIND Push button label so TORWARRIND Push button label so TORWARRING							
	R	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 1 kOhm 1 kOhm	1X 0 .2590 MF							

ND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIV		MANU
	A2	1.727.370.00	40. "	Display Board Shuttle Control 10% 50 V PETP			R108 R110 R111	57.11.3391 57.11.3102 57.11.3102	390 Ohm 1 kOhm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C2 C3 C4	59.06.0683 59.22.3221 59.22.3221 59.22.3102	68 nF 220 uF 220 uF 1000 uF	-20% 10 V EL -20% 10 V EL -20% 10 V EL			S6 W41	55.15.0130		Push button Switch		1
	C25 C26 C27 C29	59.06.0683 59.45.4101 59.45.4101	68 nF 100 pF 100 pF	10% 50 V PETP 10% 50 V CER not used 10% 50 V CER			W43 W46 W141	64.01.0106 64.01.0106		not used not used Wire Bridge Wire Bridge		
	C29 C30 D1	59.45.4101 50.04.0512	100 pF 1N5818	not used 10% 50 V CER 30 V Schottky			W142 W143 XIC1	64.01.0106 64.01.0106 53.03.0168	16-Pole	Wire Bridge Wire Bridge IC Socket		
	D30 D31 D32 D33 D34 D35 D36	50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI 50 V SI 50 V SI 50 V SI 50 V SI			XIC2 XIC11 XIC12 XIC13	53.03.0168 53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket		
	D37 DL7 DL8	50.04.0125 50.04.2501 50.04.2500	1N4448 HV5452 NV5352	50 V SI LED grn D=5 mm LED yel D=5 mm	GI GI							
	DL9 DL10 DL11 DL12	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI							
	DL13 DL14 DL15 DL16	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI	MF=Met	al Film, PC	lectrolytic, P Cerm=Pot. Cerme , GI=General I National Semic	t, nstrument, IT	T, Mot=Motorola,		
	DL17 DL19 DL41	50.04.2500 50.04.2115 50.04.2115	MV5352 HV5752 HV5752	LED yel D=5 nm LED red D=5 nm LED red D=5 nm	GI GI	ORIG 9	TI= 01/07/12	Texas Instrume	nts			
T U	DER (C	00) 91/07/12 GP	COMMAND PA	NEL BOARD OVU TC FL 1.727.760.82	PAGE 1	STU	DER (00	91/07/12 GP	COMMAND PAN	EL BOARD OVU TC PL	1.727.760.82	PAGE
D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.							
	DL42 DL43 DL45 DL46 DL48	50.04.2500 50.04.2500 50.04.2115 50.04.2500 50.04.2501	NV5352 NV5352 NV5752 NV5352 NV5452	LED yel D=5 mm LED yel D=5 mm LED red D=5 mm LED yel D=5 mm LED grn D=5 mm	GI GI GI GI							
	IC1 IC2 IC11 IC12 IC13	50.17.1595 50.17.1595 50.17.1595 50.06.0596 50.17.1595	74HC595 74HC595 74HC595 74LS596 74HC595	8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register U.C. 8-Bit Shift Register	TI TI TI TI							
	J1 J2 J3 J4	54.01.0287 54.01.0288 54.01.0237 54.01.0237	3-Pole 5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP AMP							
	JP6 JP10 JP11 JP12	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge								
	JP13 JP14 JP15 JP16	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge								
	JP17 JP46 JP48	54.01.0021 54.01.0021		Bridge not used Bridge								
	MP1 MP2 MP4 MP5	54.01.0020 1.011.235.03 1.011.235.05 1.011.235.23	30 pcs 3 pcs 2 pcs 3 pcs	Contact Pin Push button case 3* Push button case 5* Conductive rubber 3*								
	MP7 MP8 MP9	1.011.235.25 1.011.235.29 1.011.235.30 1.011.235.31	2 pcs 24 pcs 19 pcs 6 pcs	Conductive rubber 5* Bolt Push button 14*5 Dummy calotte								
TU				IEL BOARD OVU TC PL 1.727.760.82	PAGE 2							
D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.							
	MP12 MP13 MP14	1.011.235.32 1.011.235.33 1.011.235.34 1.727.360.02	3 pcs 2 pcs 1 pcs	Calotto rod Calotte yel Calotte grn Push button case with Shuttle								
	MP15 MP16 MP17 MP18	1.727.360.03 1.727.360.04 1.727.360.05 1.727.760.10	5 pcs 1 pcs 1 pcs 1 pcs	Conductive rubber with Shuttle Push button 19×14 Push button Adj. No. Label								
	MP19 MP20 MP22 MP23	1.727.660.12 53.03.0221 21.53.0354 23.01.2032	1 pcs 18 pcs 2 pcs 2 pcs	Command Panel PCB 2-pole LED Socket Hexagon socket head cap screw M3*6 Washer								
	MP24 MP25 MP26 MP27	24.16.1030 43.01.0108 1.727.360.07 1.727.360.08	2 pcs 1 pcs 1 pcs 1 pcs 1 pcs	Fin washer ESE Warning label Push button label , PLAY Push button label , STOP								
	MP28 MP29 MP30	1.727.360.09 1.727.360.19 1.011.235.35	1 pce 2 pcs 2 pcs	Push button label , RECORD Push button labels, FORWARD, REWIND Dummy push button 19*5								
	R1 R2 R3 R4	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF								
	R5 R6 R7 R8	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF								
	R9 R10 R11	57.11.3391 57.11.3391 57.11.3391 57.11.3102	390 Ohm 390 Ohm 390 Ohm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF								
	R101 R102 R103	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF								
т. п	R105 R106 D.E.R. (0	57.11.3391 57.11.3391 00) 91/07/12 GP	390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF REL BOARD OVU TC PL 1.727.760.82	PAGE 3							







IND. POS.NO. PART NO. VALUE	SPECIFICATIONS / EQUIVALENT MANUF. IND. P	POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT NAMUF.	IMD. FOS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
A 1 1.727.370.00 A 2 1.727.180.00 B 1 51.02.0144 6 V B 2 51.02.0144 6 V B 3 51.02.0144 6 V C 1 59.06.0683 68 nF C 2 59.22.3221 220 uF C 3 59.22.3221 220 uF C 4 59.22.3021 220 uF C 5 59.22.5220 22 uF C 1 59.22.5220 22 uF C 1 59.22.5220 22 uF C 1 59.34.225 10 uF C 25 59.34.225 10 uF C 25 59.34.210 10 uF C 25 59.36.0683 68 uF C 25 59.66.0683 68 uF C 25 59.66.0683 68 uF C 26 59.45.4101 100 pF C 28 59.45.4101 100 pF C 28 59.45.4101 100 pF C 30 59.45.4101 100 pF C 30 59.45.4101 100 pF C 30 59.45.4101 100 pF C 31 59.45.4101 100 pF D 1 50.04.0512 1N5818 D 1 50.04.0125 1N4448 D 12 50.04.0125 1N4448 D 12 50.04.0125 1N4448 D 22 50.04.0125 1N4448 D 21 50.04.0125 1N4448 D 21 50.04.0125 1N4448 D 22 50.04.0125 1N4448 D 22 50.04.0125 1N4448 D 22 50.04.0125 1N4448 D 21 100 100 100 100 100 100 100 100 100	Shuttle Control J. Shuttle Control J. O.03 A Lamp J. O.04 A Lamp J. O.05 A Lamp	Pr11	R72 57.11.3153 15 Obm 1X, 0.25W, MF R73 57.11.3622 6.8 NOm 1X, 0.25W, MF R74 57.11.3622 6.8 NOm 1X, 0.25W, MF R75 57.11.3622 6.2 NOm 1X, 0.25W, MF R76 57.11.3622 6.2 NOm 1X, 0.25W, MF R76 57.11.3622 0.2 NOm 1X, 0.25W, MF R77 57.11.3022 10.0 NOm 1X, 0.25W, MF R77 57.11.3022 10.0 NOm 1X, 0.25W, MF R80 57.11.3103 10.0 NOm 1X, 0.25W, MF R80 57.11.3107 11.0 NOM 1X, 0.25W, MF R80 57.11.3107 15.0 NOM 1X, 0.25W, MF R80 57.11.3107 15.0 NOM 1X, 0.25W, MF R80 57.11.3108 15.0 NOM 1X, 0.25W, MF R80 57.11.3109 30.0 NOM 1X, 0.25W, MF R80 57.11.3319 30.0 NOM 1X, 0.25W, MF R91 57.11.3391 30.0 NOM 1X, 0.25W, MF R91 57.11.3391 30.0 NOM 1X, 0.25W, MF R92 57.11.3391 30.0 NOM 1X, 0.25W, MF R91 57.11.3391 30.0 NOM 1X, 0.25W, MF R92 57.11.3391 30.0 NOM 1X, 0.25W, MF R91 57.11.3391 30.0 NOM 1X, 0.25W, MF R91 57.11.3391 30.0 NOM 1X, 0.25W, MF R101 57.11.3391 30.0 NOM 1X, 0.25W, MF R102 57.11.3391 30.0 NOM 1X, 0.25W, MF R103 57.11.3391 30.0 NOM 1X, 0.25W, MF R104 57.11.3391 30.0 NOM 1X, 0.25W, MF R105 57.11.3391 30.0 NOM 1X, 0.25W, MF R106 57.11.3391 30.0 NOM 1X, 0.25W, MF R107 57.11.3391 30.0 NOM 1X, 0.25W, MF R108 57.11.3391 30.0 NOM 1X, 0.25W, MF R109 57.11.3391 30.0 NOM 1X, 0.25W, MF R100 57.11.3391 30.0 NOM 1X, 0.25W, MF R101 57.11.3391 30.0 NOM 1X, 0.25W, MF R102 57.11.3391 30.0 NOM 1X, 0.25W, MF R103 57.11.3391 30.0 NOM 1X, 0.25W, MF R106 57.11.3391 30.0 NOM 1X, 0.25W, MF R107 57.11.3391 30.0 NOM 1X, 0.25W, MF R108 57.11.3391 30.0 NOM 1X, 0.25W, MF R109 57.11.3391 30.0 NOM 1X, 0.25W, MF R100 57.11.3391 30.0 NOM 1X, 0.25W, MF R100 57.11.3391 30.0 NO
IND. POS.NO. PART NO. VALUE	SPECIFICATIONS / EQUIVALENT HANUF. IND. PC	POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
D	SO V SI	Page Page	H42 not used H43 not used H43 not used H44 64.01.0166 Whre Bridge H142 64.01.0166 Whre Bridge H143 64.01.0166 Whre Bridge H143 64.01.017 Lamp holder XM2 53.04.0107 Lamp holder XM3 53.04.0107 Lamp holder XM3 53.04.0107 Lamp holder XM4 53.03.0168 I6-Pole IC Socket XM4 53.03.0168 I6-Pole IC Socket XM4 53.03.0168 I6-Pole IC Socket XM5 53.03.0168 I6-Pole IC Socket XM5 53.03.0168 I6-Pole IC Socket XM6 53.03.0168 I6-Pole IC Socket XM6 53.03.0168 I6-Pole IC Socket XM9 53.03.0168 I6-Pole IC Socket XM10 53.03.0168 I6-Pole IC Socket
IND. POS.NO. PART NO. VALUE	SPECIFICATIONS / EQUIVALENT HANUF. IND. PC	OS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANGE.	
DI38 50.04.215 W5552 DI41 50.04.215 W5552 DI42 50.04.215 W5552 DI43 50.04.2150 W5552 DI45 50.04.2150 W5552 DI45 50.04.2150 W5552 DI46 50.04.2500 W5552 DI47 50.04.215 W5552 DI47 50.04.2115 W5552 DI47 50.04.2115 W5552 DI49 50.04.250 W5452 DI61 50.04.219 W55124 DI61 50.04.2119 W55124 DI62 50.04.2119 W55124 DI63 50.04.2119 W55124 DI64 50.04.2119 W55124 DI65 50.04.2119 W55124 DI65 50.04.2119 W55124 DI65 50.04.2119 W55124 DI66 50.04.2119 W55124 DI66 50.04.2119 W55124 DI66 50.04.2119 W55124 DI66 50.04.2119 W55124 DI67 50.04.2119 W55124 DI68 50.04.2119 W55124 DI69 50.04.2119 W55124 DI69 50.05.017.1596 74HC595 DI 50.05.017.1596 T4HC595 DI 50.05.017.1596 T4HC595 DI 50.05.017.1596 T4HC595 DI 50.05.0199 LM324	LED red D=5 mn GI R. LED yel D=5 na GI R. LED red C. 35x3.81 R. LED		

	. PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	/ EQUIVALENT	MANU
A1 A2	1 1.727.370.00 2 1.727.180.00		Display Board Shuttle Control			R5 R6	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
C1 C2 C3	59.22.3221 59.22.3221	68 nF 220 uF 220 uF	10% 50 V PETP -20% 10 V EL -20% 10 V EL			R7 R8 R9	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
C15 C25 C26	5 59.06.0683 5 59.06.0683	1000 uF 68 nF 68 nF 100 pF	-20% 10 V EL 10% 50 V PETP 10% 50 V PETP 10% 50 V CER			R10 R11 R15	57.11.3391 57.11.3391 57.11.3102 57.11.3391	390 Ohm 390 Ohm 1 kOhm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
C27 C26 C29	7 3 59.45.4101	100 pF	not used 10% 50 V CER not used			R21 R22 R55 R61	57.11.3391 57.11.3102 57.11.3391	390 Ohm 1 kOhm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
C30 C31 D1	59.45.4101	100 pF 100 pF 1N5818	10% 50 V CER 10% 50 V CER 30 V Schottky			R62 R101 R102	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
D31 D32	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI			R103 R105 R106 R108	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
D34 D35 D35	50.04.0125 50.04.0125	1 N4448 1 N4448 1 N4448 1 N4448	50 V SI 50 V SI 50 V SI 50 V SI			R110 R111	57.11.3102 57.11.3102 55.15.0130	1 kOhm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF Push button Swi		11
D37	50.04.0125 50.04.2501	1N4448 MV5452	50 V SI LED grn D=5 mm	GI		W41 W42	3311310100		not used not used	con	1,
DL9 DL9 DL10 DL11	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI		W43 W46 W141 W142	64.01.0106 64.01.0106 64.01.0106		not used Wire Bridge Wire Bridge Wire Bridge		
DL12 DL13 DL14	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		W143 XIC1	64.01.0106 53.03.0168	16-Pole	Wire Bridge IC Socket		
DL15 DL16 DL17	50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 nm LED yel D=5 nm LED yel D=5 nm	GI GI GI		XIC2 XIC6 XIC7	53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket		
FUDER	(00) 91/07/12 GP	COMMAND PA	NNEL BOARD 2/2 TC PL 1.727.763.82	PAGE 1	STU	DER (OC) 91/07/12 GP	COMMAND PAR	NEL BOARD 2/2 TC	PL 1.727.763.82	PAGE
D. POS.NO.		VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	' EQUIVALENT	MANU
DL18 DL21	50.04.2115	MV5752 MV5752	LED red D=5 mm LED red D=5 mm	GI GI		XIC11 XIC12	53.03.0168 53.03.0168	16-Pole 16-Pole	IC Socket IC Socket		
DL23 DL24 DL31	50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5752	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED red D=5 mm	GI GI GI GI		XIC13	53.03.0168	16-Pole	IC Socket		
DL32 DL33 DL34	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI							
DL41 DL42 DL43 DL45	50.04.2500 50.04.2500	MV5752 KV5352 MV5352 MV5752	LED red D=5 nm LED yel D=5 nm LED yel D=5 nm LED red D=5 nm	GI GI GI							
DL46 DL48 IC1	50.04.2500 50.04.2501	MV5352 MV5452 74HC595	LED yel D=5 mm LED grn D=5 mm 8-Bit Shift Register	GI GI							
IC2 IC6 IC7	50.17.1595 50.17.1595 50.17.1595	74HC595 74HC595 74HC595	8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register	TI TI TI TI							
IC12 IC13	50.06.0596	74HC595 74LS596 74HC595	8-Bit Shift Register 8-Bit Shift Register O.C. 8-Bit Shift Register	TI TI TI							
J1 J2 J3 J4	54.01.0288 54.01.0237	3-Pole 5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP AMP							
JP6 JP10 JP11	54.01.0021 54.01.0021		Bridge Bridge Bridge		MF=Met	al Film/ PC:	lectrolytic, P erm=Pot. Cerme	t,			
JP12 JP13 JP14 JP15	54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge		MANUF	NS=	, GI=General I National Semic Texas Instrume	onductor , Ph	IT, Mot=Motorola, n=Philips, Ra=Rayt	heon,	
JP16		COMMAND PA	Bridge	PAGE 2		01/07/12 DER (00) 91/07/12 GP	COMMAND PAR	NEL BOARD 2/2 TC	PL:1.727.763.82	PAGE
). POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.							
JP17 JP46 JP48			Bridge not used Bridge								
	1.011.235.03	30 ров 3 ров 2 ров	Contact Pin Push button case 3* Push button case 4*								
мр1 МР2 МР3		2 рсв	Push button case 5* Conductive rubber 3*								
MP2 MP4 MP5 MP6	1.011.235.05 1.011.235.23 1.011.235.24	3 pcs 2 pcs	Conductive rubber 4*								
MP2 MP4 MP5 MP6 MP7 HP8 MP9	1.011.235.05 1.011.235.23 1.011.235.24 1.011.235.25 1.011.235.25 1.011.235.30 1.011.235.31	2 pcs 2 pcs 32 pcs 27 pcs	Conductive rubber 5* Bolt Push button 14*5								
MP	1.011.235.05 1.011.235.23 1.011.235.24 1.011.235.25 1.011.235.29 1.011.235.30 1.011.235.31 1.011.235.32 1.011.235.33	2 pcs 2 pcs 32 pcs 27 pcs 6 pcs 5 pcs 19 pcs 2 pcs	Conductive rubber 5* Bolt Push button 14*5 Dummy calotte Calotte red Calotte yol Calotte grn								
MP 2 9 MP 3 MP 4 MP 4 MP 5 MP 6 MP 7 MP 8 MP 10 MP 11 MP 12 MP 13 MP 14 MP 15 MP 16 MP 16 MP 17 MP 16 MP 17	1.011.235.05 1.011.235.23 1.011.235.24 1.011.235.25 1.011.235.35 1.011.235.30 1.011.235.31 1.011.235.32 1.011.235.34 1.727.360.03 1.727.360.03 1.727.360.04	2 pcs 2 pcs 32 pcs 27 pcs 6 pcs 5 pcs 19 pcs 1 pcs 1 pcs 5 pcs 1 pcs 1 pcs	Conductive rubber 5* Bolt Push button 14*5 Dunmy callotte Calotte red Calotte vel Fush button case with Shuttle Conductive rubber with Shuttle Fush button 19*14 Fush button 19*14 Fush button 19*14 Fush button 19*14								
MP 2 MP 3 MP 4 MP 5 MP 6 MP 7 MP 8 MP 9 MP 10 MP 11 MP 12 MP 13 MP 14 MP 15 MP 16 MP 17 MP 18 MP 18 MP 18 MP 18 MP 18	1.011.295.05 1.011.295.23 1.011.295.23 1.011.295.25 1.011.235.25 1.011.235.33 1.011.235.33 1.011.235.33 1.011.235.33 1.011.235.33 1.727.360.02 1.727.360.04 1.727.360.04 1.727.360.04 1.727.360.04 1.727.360.04 1.727.360.04	2 pcs 2 pcs 2 pcs 32 pcs 6 pcs 5 pcs 1 pcs 1 pcs 1 pcs 1 pcs 1 pcs 1 pcs 1 pcs 2 pcs	Conductive rubber 54 Bolt Push button 1445 Dummy calotte Calotte yel Calotte yel Calotte yel Conductive rubber with Shuttle Push button case with Shuttle Push button 19314 Push button 1451. Command Panel PCB 2-pole LED Socket								
MP 2 MP 3 MP 4 MP 5 MP 6 MP 7 MP 10 MP 11 MP 12 MP 15 MP 15 MP 15 MP 17 MP 18 MP 19 MP 17 MP 18 MP 19 MP 23 MP 23 MP 23 MP 23 MP 23 MP 23 MP 24 MP 24 MP 24	1.011.235.03 1.011.235.23 1.011.235.24 1.011.235.24 1.011.235.29 1.011.235.31 1.011.235.31 1.011.235.31 1.011.235.33 1.011.235.33 1.011.235.33 1.017.360.04 1.727.360.05 1.727.763.10 1.727.763.10 1.727.763.10 1.727.763.10	2 pcs 2 pcs 32 pcs 32 pcs 6 pcs 5 pcs 19 pcs 1 pcs 1 pcs 1 pcs 2 pcs 1 pce	Conductive rubber 54 Bolt Push button 1445 Dunmy calotte Calotte red Calotte gra Calotte gra Fush button case with Shuttle Conductive rubber with Shuttle Push button 19414 Push button 19414 Push button 19414 Command Panel PCB Z-pole LED Socket Z-pole LED Socket Washer Fin washer ESE Warning label								
MP2 MP3 MP4 MP5 MP6 MP6 MP7 MP6 MP11 MP12 MP12 MP14 MP15 MP14 MP15 MP14 MP15 MP14 MP15 MP15 MP17 MP17 MP19 MP20 MP20 MP20 MP20 MP20 MP25 MP25 MP27 MP27	1.011.235.05 1.011.235.23 1.011.235.25 1.011.235.25 1.011.235.25 1.011.235.30 1.011.235.30 1.011.235.30 1.011.235.31 1.011.235.34 1.027.360.02 1.727.360.04 1.727.360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05 1.727.7360.05	2 pcs 2 pcs 32 pcs 32 pcs 6 pcs 6 pcs 5 pcs 19 pcs 1 pce 1 pce 1 pce 2 pcs 1 pce 2 pcs 1 pce	Conductive rubber 54 Bolt Fush button 1445 Dummy calotte Calotte yel Calotte yel Calotte yel Conductive rubber with Shuttle Push button 19314 Fush button 1451. Command Panel PCB 2-pole LED Socket Hexagon socket head cap screw M346 Washer Fin washer Fin washer ESS Amaring label ESS Amaring label ESS Amaring label PSS								
MP2 MP3 MP4 MP5 MP5 MP6 MP7 MP8 MP9 MP10 MP11 MP12 MP12 MP12 MP12 MP12 MP15 MP12 MP12 MP12 MP12 MP14 MP12 MP14 MP15 MP15 MP16 MP17 MP12	1.011.235.03 1.011.235.23 1.011.235.24 1.011.235.20 1.011.235.31 1.011.235.31 1.011.235.31 1.011.235.31 1.011.235.33 1.011.235.33 1.011.235.33 1.011.235.33 1.011.235.33 1.017.360.05 1.727.360.05 1.727.763.10 1.727.360.05 1.727.360.10 1.727.360.10 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05 1.727.360.05	2 pcs 2 pcs 32 pcs 32 pcs 6 pcs 6 pcs 19 pcs 1 pcs 1 pcs 1 pcs 2 pcs 1 pcc	Conductive rubber 5% Bolt Push button 14%5 Dunmy calotte Calotte red Calotte en Calotte con Push button case with Shuttle Conductive rubber with Shuttle Push button 1944 Push button 1944 Push button 1944 Rose Label Command Panel PCB 2-pole LED Socket Hexagon socket head cap screw M346 Results of the Calotte Calotte Results of the Calotte Results of the Calotte Push button label , PLAY Push button label , PLAY Push button label , PCAY								

COMMAND PANEL BOARD TC (4CH) 1.727.766.82 (ELM3) J03-17 +5.6V DØ 1 +|c04 1N5818 +5 GND 16 8 16 8 +Lc03 IC 74HC595 + C02 220µF C15 C25 1000µF 68nF 68nF 68nF 220µF 74LS596 DS-DATA J03-16> DS-CLK DS-ENDPL -+5.6V J03-15 → KEY ++5 J03-9 DS-DATA +0.0VD 5 (ELM2) . Jož jož jož jož jož J03-10 DS-CLK J03-12 DS-ENMTX JØ3-11 DS-ENDPL DISPLAY BOARD 1.727.370.00 GRP31 J03-13 DS-ENLDT J01 J01 J01 +5.6V ELM1 | 7 | 7 | 7 | R110 R15 100p 1C1 14 +5 10 CLR QA 1 B-FFW 2 B-PLAY 3 B-STOP 12 LCLK QC 4 B-REC 5 B-SHUTL 10 G 6 B-TDUMP 10 12 13 16 x 390Ω C30 C26 7 DL14 DL15 CLEAR sčLK LČĽK EΝ TIOOPF TLOOPF 9 R08 IC12 QH' SER 74LS596 7 DL16 RØ9 7 DL17 7 DL18 7 DL12 7 DL13 QG QH R10 RØ1 13 EN QG 7 1R07 D37 JP17 9 74HC595 (ELM4) SM-D7 ↓ J03-8 J04-8 1C2 | 14 SER QA | 15 B-SHIFT +5 CLR QB | 1 B-ZLOC | 2 B-LOC1 7 DL07 7 DL08 7 DL09 7 DL10 7 DL11 R02 JP16 D36 →SCLK QC 4 B-STLOC R04 11 SM-D6: J03-7 R05 J04-7 12 LCLK QE 5 R06 VARI D35 JP15 SPEED 13 EN 30EN QG 7 QH'QH 7 9 74HC595 S45 -√ Jø3-6 W45_ D34 JP14 IC13 | 14 SER QA | 15B-SLOW +5-0CLR QB | 1 B-MID | 2 B-FAST S46 INSERT SM-D4: J03-5 J04-5 11 SCLK QC 3 QD 4 P 1/25 D33 JP13 LCLK QE 4 B-USPEED TC RDY SPEED RESET LAP STEP SEL ↑ DL45 ↑ DL46 R105 502 4 S03 504 SØ6_ R106 ADJUST SM-D3 | J03-4 QF 6 7 C-JUMPER 9 74HC595 T3 EN J04-4 D32 JP12 SHIFT ZEROLOC LOC 1 LOCSTRT BSPACE SHUTTLE TC INP 507 S09 Sio Sii SIZ W41,W42,W43 W41 9 W42 9 W43 E-E0F } 103-3 NOT USED J04-3 D31 JP11 REC S18 REW FFWD PLAY STOP TOUMP TC SYNC S15 S16 513 7 DL41 R101 7 DL42 R102 7 DL43 R103 SM-D1: J03-2 SCLK QC 3 (B-TCREP) J04-2 D30 JP10 TC LED TC LED LCLK QE 5 ОN OFF SM-D0 1 9 74HC595 J04-1 J04-20 -+5.6V J04-19 -+0.0VD J04-18 → KEY MRX-A MRX-F MRX-G MRX-H MRX-B MRX-C MRX-D MRX-E 1 _____ @ 12.07.91 GP 0

A 807-4 TC GRP 30

COMMAND PANEL BOARD (4CH) TC

STUDER

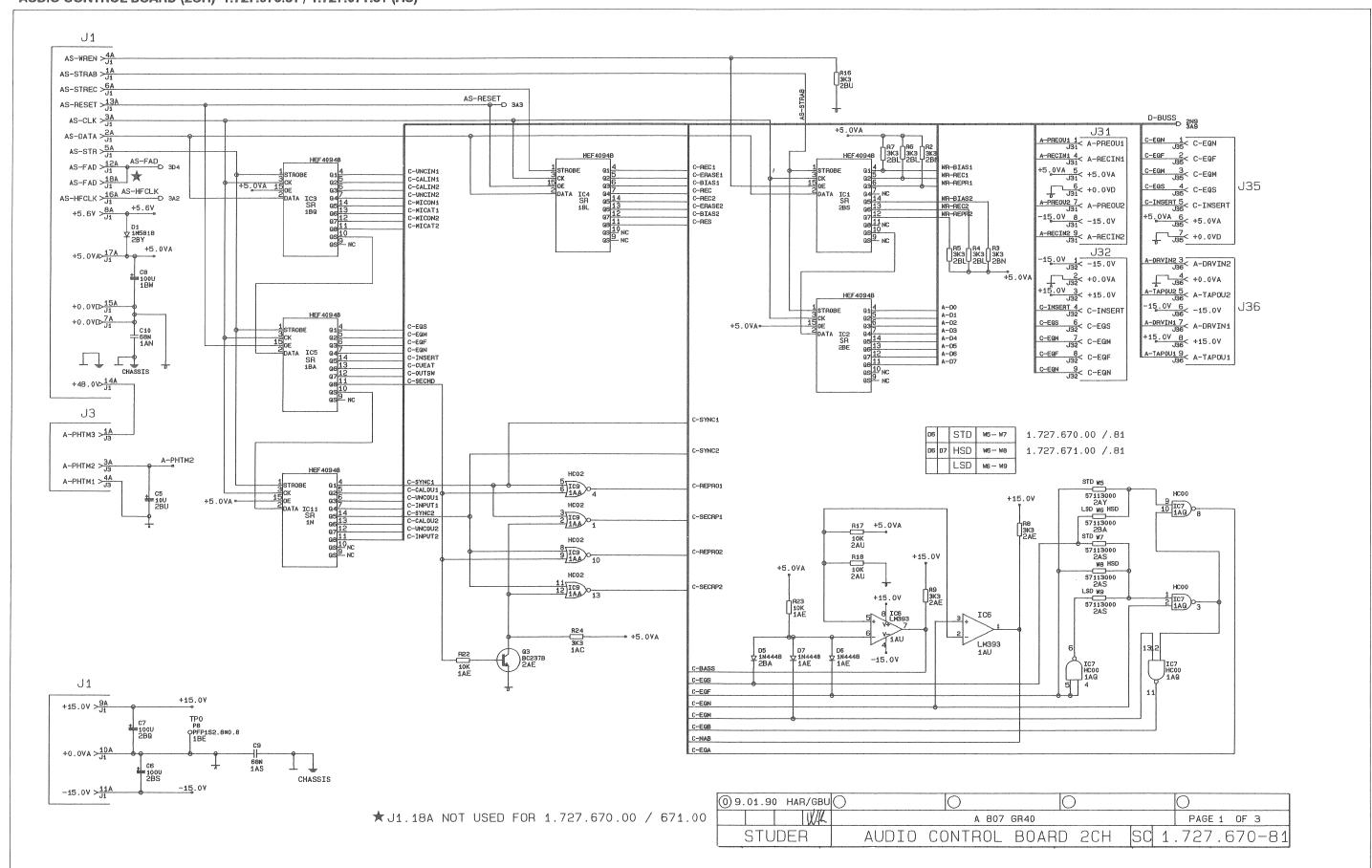
PAGE 1 OF 1

1.727.766-82

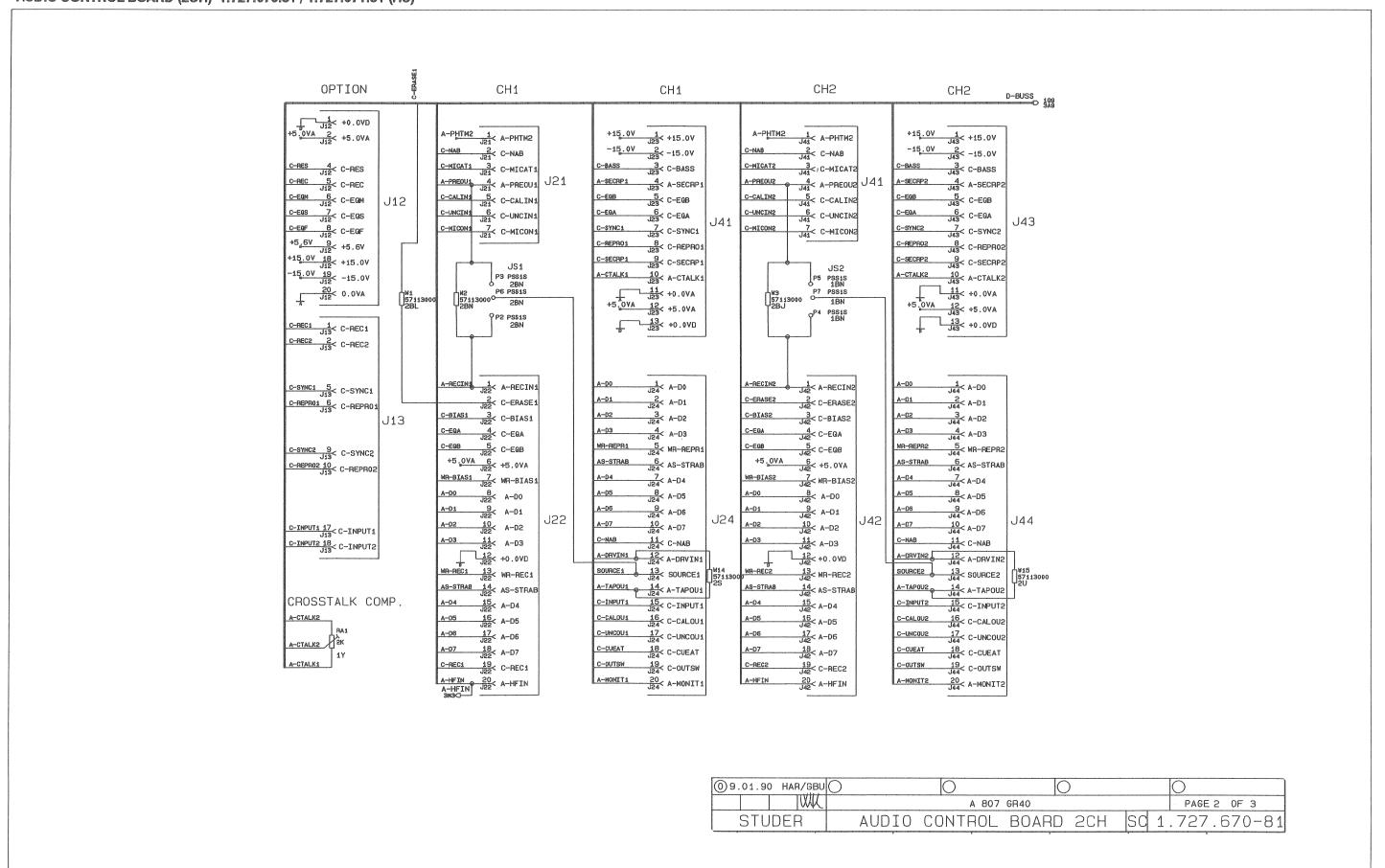
SCH

	PO5.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HAN
	A1 A2	1.727.370.00		Display Board Shuttle Control			S6	55.15.0130		Push button Switch	I
	C1 C2 C3	59.06.0683 59.22.3221 59.22.3221	68 nF 220 uF 220 uF	10% 50 V PETP -20% 10 V EL -20% 10 V EL			W41 W42 W43 W46			not used not used not used not used	
	C4 C25 C26	59.22.3102 59.06.0683 59.45.4101	1000 uF 68 uF 100 pF	-20% 10 V EL 10% 50 V PETP 10% 50 V CER			W141 W142 W143	64.01.0106 64.01.0106 64.01.0106		Wire Bridge Wire Bridge Wire Bridge	
	C27 C28 C29 C30	59.45.4101 59.45.4101	100 pF 100 pF	not used 10% 50 V CER not used 10% 50 V CER			XIC1 XIC2 XIC11	53.03.0168 53.03.0168 53.03.0168	16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket	
	D1 D30 D31	50.04.0512 50.04.0125 50.04.0125	1 N 5 8 1 8 1 N 4 4 4 8 1 N 4 4 4 8	30 V Schottky 50 V SI 50 V SI			XIC12 XIC13	53.03.0168 53.03.0168	16-Pole 16-Pole	IC Socket IC Socket	
	D32 D33 D34	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1 N4448 1 N4448 1 N4448	50 V SI 50 V SI 50 V SI							
	D35 D36 D37	50.04.0125 50.04.0125	1 N 4 4 4 8 1 N 4 4 4 8 1 N 4 4 4 8	50 V SI 50 V SI 50 V SI							
	DL7 DL8 DL9 DL10	50.04.2501 50.04.2500 50.04.2500 50.04.2500	MV5452 MV5352 MV5352 MV5352	LED grn D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI						
	DL11 DL12 DL13	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI	CER=C	eramic, EL=	Electrolytic, PE	ETP=Polyeste:	r, SI=Silicon,	
	DL14 DL15 DL16 DL17	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI	MANUF	ACTURER: AM	Cerm=Pot. Cermet P. GI=General Ir =National Semico =Texas Instrumer	nstrument, I'	TT, Mot=Motorola, h=Rhilips, Ra=Raytheon,	
	DL18 DL41	50.04.2115 50.04.2115	HV5752 HV5752	LED red D=5 mm LED red D=5 mm NEL BOARD (4CH) TC PL 1.727.766.82	GI GI		91/07/12			NEL BOARD (4CH) TC PL 1.727.766.	92 PAGE
J 1	DER (C	00) 91/07/L2 GP	CORRARD FA	NEL BURRY (MER) IC FE 1.727.766.82	rage 1	5 1 0	DER (O	0) 91/0//12 GP	COMMAND PA	NEL BUNKD (9CH) IC FE 1.727.700.	.02 1 1102
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	DL42 DL43 DL45 DL46	50.04.2500 50.04.2500 50.04.2115 50.04.2501	MV5352 MV5352 MV5752 MV5452	LED yel D=5 mm LED yel D=5 mm LED red D=5 mm LED grn D=5 mm	61 61 61						
	IC1 IC2 IC11	50.17.1595 50.17.1595 50.17.1595	74HC595 74HC595 74HC595	8-Bit Shift Register 8-Bit Shift Register 8-Bit Shift Register	TI TI TI						
	IC12 IC13	50.06.0596 50.17.1595 54.01.0287	74LS596 74HC595	8-Bit Shift Register O.C. 8-Bit Shift Register	TI TI AMP						
	J1 J2 J3 J4	54.01.0288 54.01.0237 54.01.0237	3-Pole 5-Pole 20-Pole 20-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP						
	JP6 JP10 JP11	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge							
	JP12 JP13 JP14 JP15	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge							
	JP16 JP17 JP46	54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge							
	JP48 MP1 MP2	54.01.0020 1.011.235.03	30 pcs 2 pcs	not used Contact Pin Push button case 3*							
	MP5 MP7 MP8	1.011.235.05 1.011.235.23 1.011.235.25 1.011.235.29	2 pcs 2 pcs 2 pcs 23 pcs	Push button case 5* Conductive rubber 3* Conductive rubber 5* Bolt							
	MP9 MP10 MP11	1.011.235.30 1.011.235.31 1.011.235.32	3 pcs 18 pcs	Push button 14*5 Dummy calotte Calotte red							
U :	DER (00) 91/07/12 GP		NEL BOARD (4CH) TC PL 1.727.766.82	PAGE 2						
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	MP12 MP13 MP14	1.011.235.33 1.011.235.34 1.727.360.02	12 pcs 2 pcs 1 pcs	Calotte yel Calotte grn Push button case with Shuttle							
	MP15 MP16 MP17 MP18	1.727.360.03 1.727.360.04 1.727.360.05 1.727.766.10	1 рсв 2 рсв 1 рсв 1 рсв	Conductive rubber with Shuttle Push button 19*14 Push button Adj. No. Label							
	MP19 MP20 MP22	1.727.660.12 53.03.0221 21.53.0354	1 pcs 17 pcs 2 pcs	Command Fanel PCB 2-pole LED Socket Hexagon socket head cap screw M3*6							
	MP24 MP25 MP26	23.01.2032 24.16.1030 43.01.0108 1.727.360.07	2 pcs 2 pcs 1 pcs 1 pce	Washer Fin washer ESE Warning label Push button label , PLAY							
	MP27 MP28 MP29	1.727.360.08 1.727.360.09 1.727.360.09	1 pce 1 pce 1 pce 2 pcs	Push button label , STOP Push button label , RECORD Push button labels, FORWARD, REWIND							
	R1 R2 R3	57.11.3391 57.11.3391 57.11.3391	390 Ohn 390 Ohn 390 Ohn	1%, 0.25%, HF 1%, 0.25%, HF 1%, 0.25%, HF							
	R4 R5 R6	57.11.3391 57.11.3391 57.11.3391	390 Oha 390 Oha 390 Oha	1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF							
	R8 R9 R10	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Oha 390 Oha 390 Oha 390 Oha	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF							
	R11 R15 R101	57.11.3391 57.11.3102 57.11.3391	390 Ohn 1 kOhn 390 Ohn	1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF							
	R102 R103 R105 R106	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Oha 390 Oha 390 Oha 390 Oha	1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF 1%, 0.250, MF							
	R110	57.11.3102 57.11.3102	1 kOhn 1 kOhn	1%, 0.25%, MF 1%, 0.25%, MF							

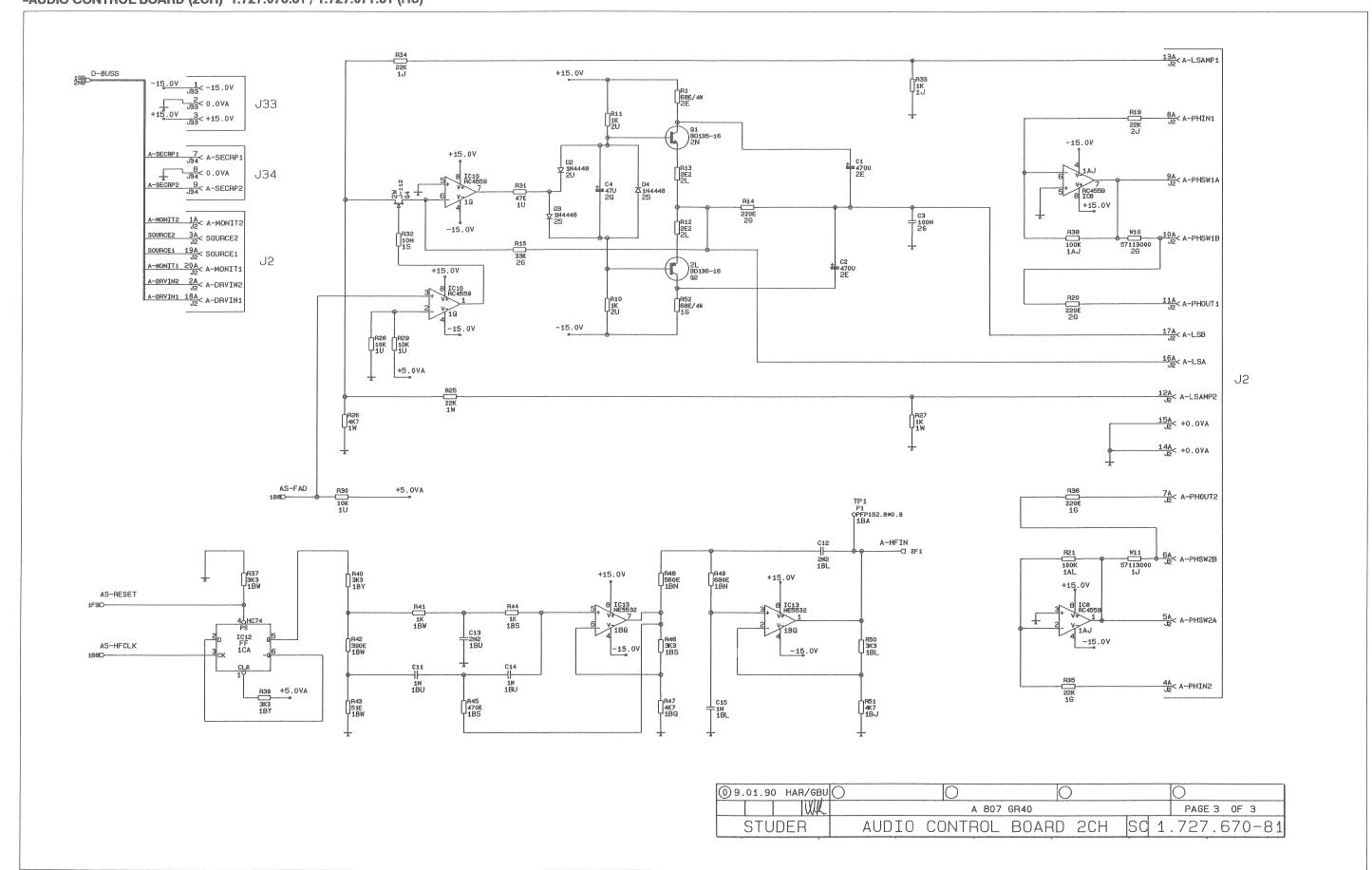
AUDIO CONTROL BOARD (2CH) 1.727.670.00 / 1.727.671.00 (HS) -AUDIO CONTROL BOARD (2CH) 1.727.670.81 / 1.727.671.81 (HS)



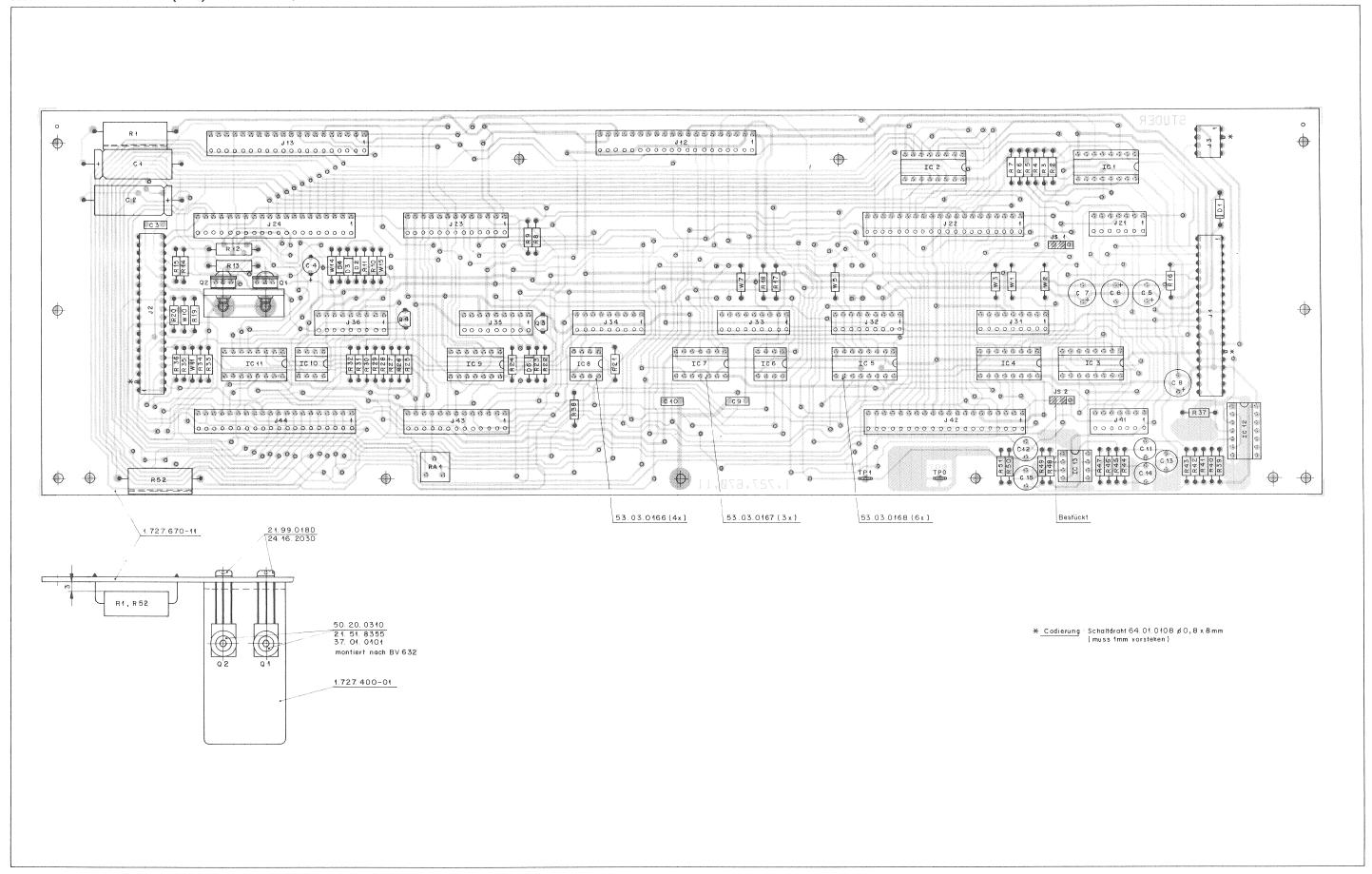
AUDIO CONTROL BOARD (2CH) 1.727.670.00 / 1.727.671.00 (HS) -AUDIO CONTROL BOARD (2CH) 1.727.670.81 / 1.727.671.81 (HS)



AUDIO CONTROL BOARD (2CH) 1.727.670.00 / 1.727.671.00 (HS) -AUDIO CONTROL BOARD (2CH) 1.727.670.81 / 1.727.671.81 (HS)

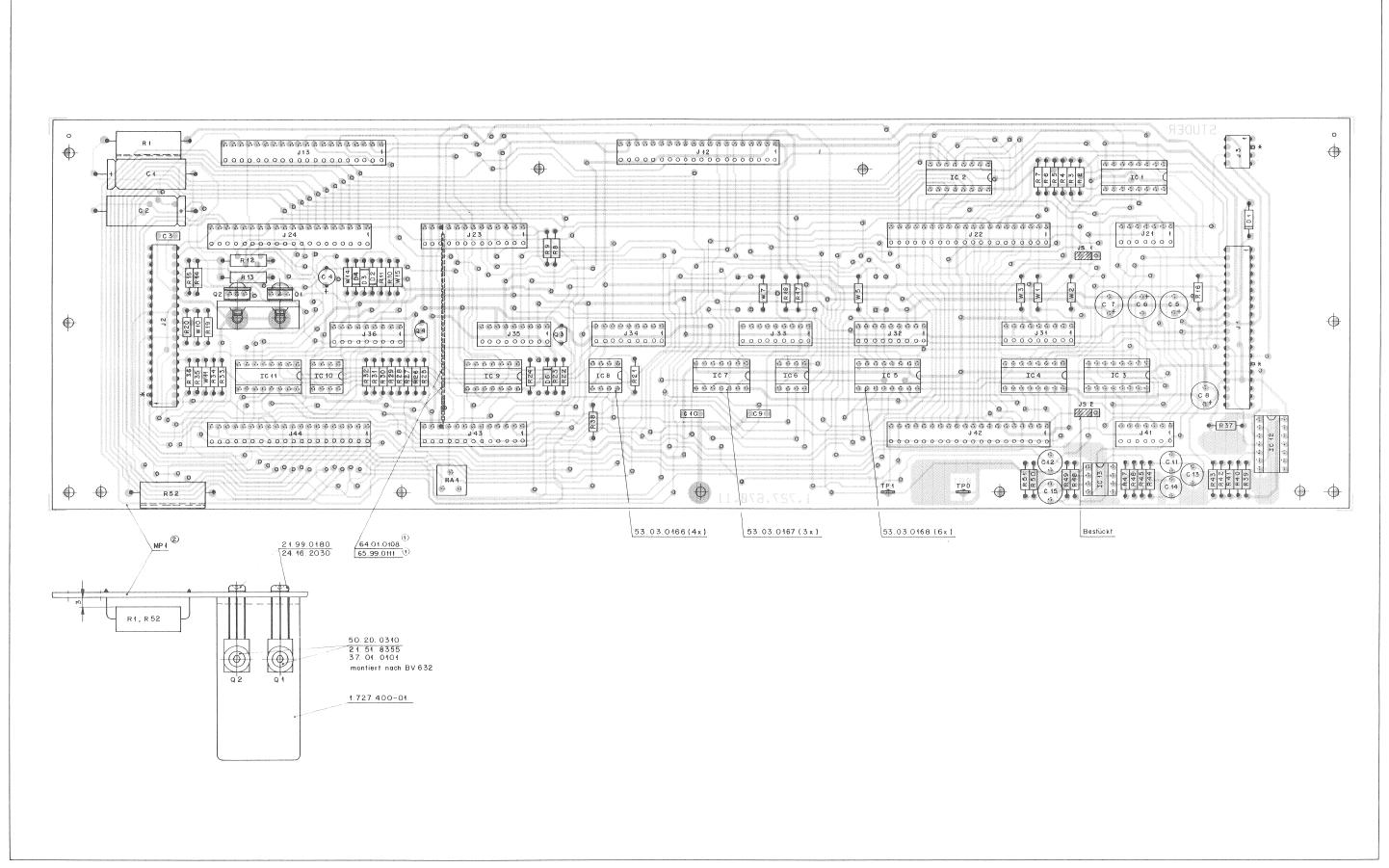


AUDIO CONTROL BOARD (2CH) 1.727.670.81 / 1.727.671.81



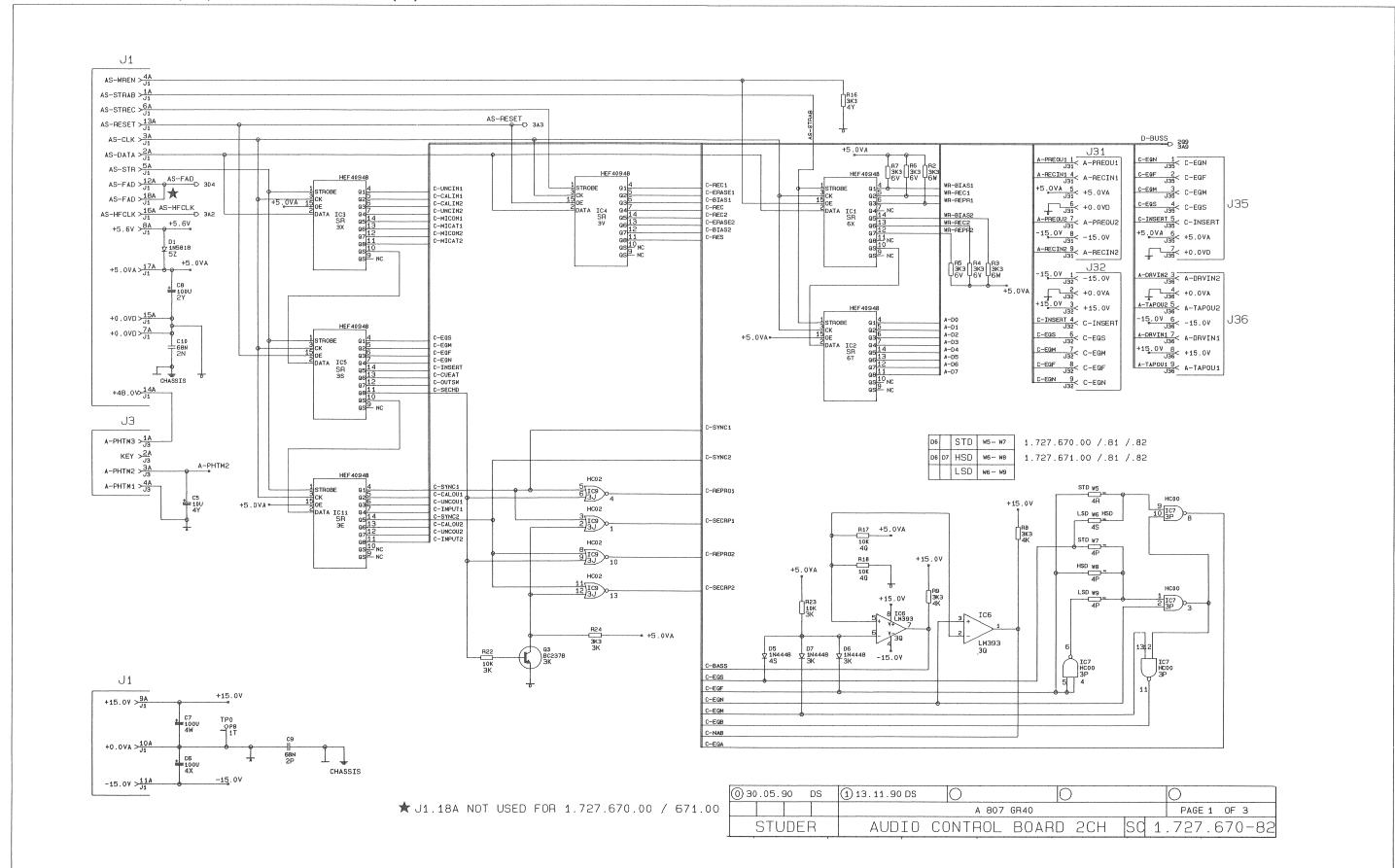
AUDIO CONTROL BOARD (2CH) 1.727.670.81

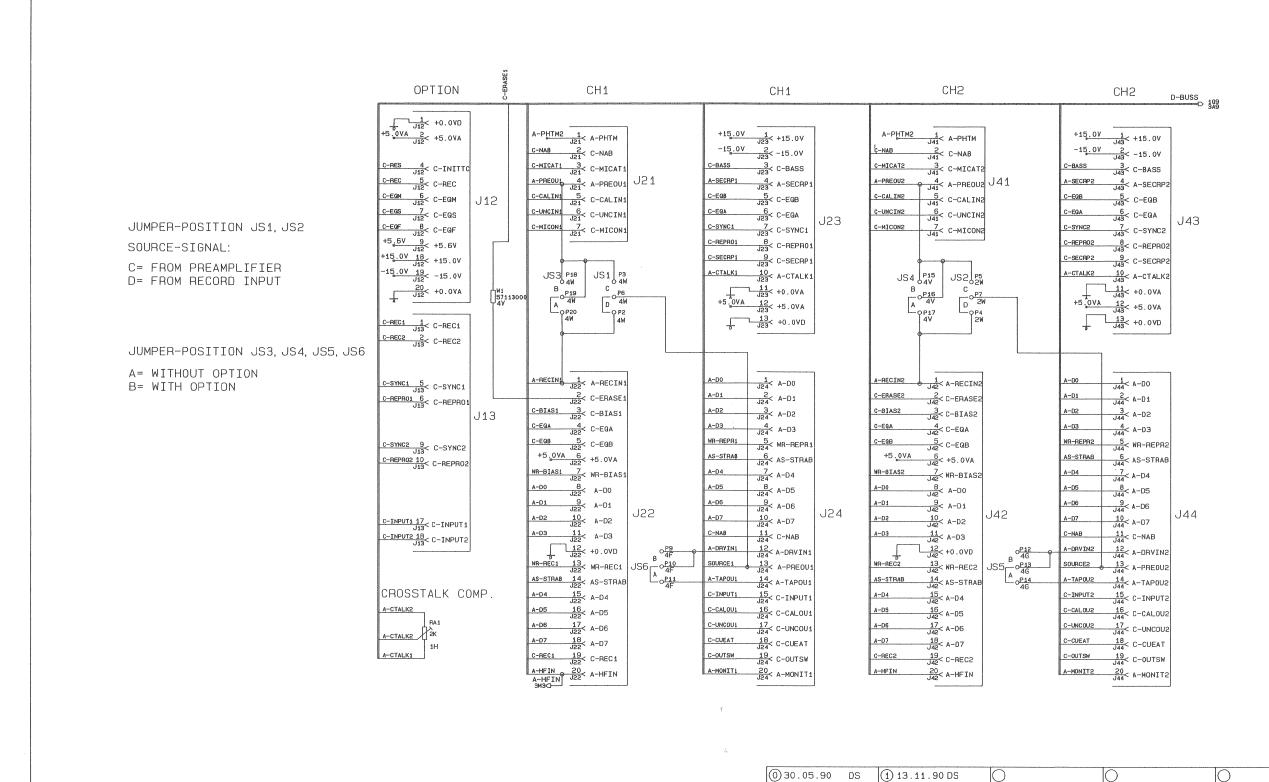
	NO. PART NO.	VALUE	SPECIFICATIONS / EQUIV	ALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS	/ EQUIVALENT	н
C		470 uF 470 uF 0.1 uF 47 uF 10 uF 100 uF 100 uF 68 nF 68 nF 1 nF 2.2 nF 2.2 nF 1 nF	-20% 16 V EL -20% 16 V EL 10% 63 V PETP -20% 10 V EL -20% 25 V EL 10% 63 V PETP 10% 63 V PETP 1% 160 V PP				R	57, 11, 3221 57, 11, 3322 57, 11, 332 57, 11, 332 57, 11, 332 57, 11, 332 57, 11, 332 57, 11, 351 57, 11, 351 57, 11, 352 57, 11, 352 57, 11, 366 57, 11, 366 57, 11, 366 57, 11, 362 57, 11, 362 57, 11, 362 57, 11, 362	220 Ohm 3.3 kOhm 100 kOhm 3.3 kOhm 1 kOhm 1 kOhm 1 kOhm 1 kOhm 470 Ohm 470 Ohm 600 Ohm 3.3 kOhm 4.7 kOhm 4.7 kOhm 4.7 kOhm 4.7 kOhm 4.7 kOhm	2X, 0, 259, MF 2X, 0, 259, MF		
D D	2 50.04.0125 3 50.04.0125	1N5819 1N4448 1N4448	30V 50V 50V		Not		R52	57.56.5680 58.01.8202	68 Ohm 2 kOhm	2%, 4 W, DR Potmeter PMG		
D D D	5 6 50.04.0125	1N4448 1N4448	50V not used 50V not used				TPO TP1	54.02.0320 54.02.0320		PLUG 2.8*0.8 PLUG 2.8*0.8		
IC	2 50.07.0018 3 50.07.0018 4 50.07.0018 5 50.07.0018 6 50.05.0283 7 50.17.1000 8 50.09.0107 9 50.17.1002 .10 50.09.0107 .11 50.07.0018	MC14094 MC14094 MC14094 MC14094 MC140994 LN393 74HC00 RC4559 74HC02 RC4559 MC14094	CHOS CHOS CHOS CHOS CHOS Dual Comparator HCHOS Dual Op. Amp. HCHOS Dual Op. Amp. CHOS		Not Not Not Not		W	57.11.3000 57.11.3000 57.11.3000 57.11.3000 57.11.3000 57.11.3000 57.11.3000 57.11.3000 57.11.3000		Wire Bridge Wire Bridge Wire Bridge Wire Bridge not used Wire Bridge not used wire Bridge Wire Bridge Wire Bridge Wire Bridge Wire Bridge		
IC	.12 50.17.1074	74HC74 NE5532	HCMOS Dual Op. Amp.	1.727,670.81	DACE 1	5 T II	XIC1	53.03.0168 00) 90/01/22 Wth	16 pol	IC Socket	PL 1.727.670.8	Si PAGI
изи	(00) 90/01/22 WE	P WANTO COM.	KOT ROWKD - P.T.	1.727.670.81	PAGE 1	510	DER (00) 90/01/22 WEN	MODIO COMI	OL BOARD	FL 1.727.670.6	or radi
. POS.	NO. PART NO.	VALUE	SPECIFICATIONS / EQUIV	ALENT	HABUF.		POS.NO.	PART NO.	VALUE	SPECIFICATIONS	/ EQUIVALENT	н
J J J	2 54.01.0248	20-POLE 20-POLE	CIS Socket Strip		AMP AMP AMP		XIC2 XIC3	53.03.0168 53.03.0168	16 pol 16 pol	IC Socket IC Socket IC Socket		
J J	.11 .12 54.01.0226	4-POLE 20-POLE 20-POLE	CIS Socket Strip not used CIS Socket Strip CIS Socket Strip		AMP AMP		XIC5 XIC6 XIC7	53.03.0168 53.03.0168 53.03.0166 53.03.0167	16 pol 16 pol 8 pol 14 pol	IC Socket IC Socket IC Socket		
J J	.21 54.01.0218 .22 54.01.0226 .23 54.01.0292	7-POLE 20-POLE 13-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip		AMP AMP		XIC8 XIC9 XIC10	53.03.0166 53.03.0167 53.03.0166	8 pol 14 pol 8 pol	IC Socket IC Socket IC Socket		
J J	.31 54.01.0217 .32 54.01.0217	20-POLE 9-POLE 9-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip		AMP AMP AMP		XIC11 XIC12 XIC13	53.03.0168 53.03.0167 53.03.0166	16 pol 14 pol 8 pol	IC Socket IC Socket IC Socket		
J J	.34 54.01.0217 .35 54.01.0217	9-POLE 9-POLE 9-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip		AMP AMP AMP AMP							
J J J	.41 54.01.0218 .42 54.01.0226	9-POLE 7-POLE 20-POLE 13-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip		AMP AMP AMP							
J Js	.44 54.01.0226 1 54.01.0021	20-POLE	CIS Socket Strip Bridge		AMP							
JS MP	2 54.01.0021	1 pce	Bridge Audio Control PCB		St St							
MP MP MP	3 1.727.670.10 4 21.99.0180	1 pcs 1 pcs 2 pcs 2 pcs	Headsink No. label Screw M3 * 5 Screw M3 * 8		St							
MP MP	6 24.16.2030 7 37.01.0101	2 pcs 2 pcs 4 pcs 1 pcs	Lock wacher Lock wacher ESE warning label		St St	EL=Ele	etrolytic	, PP=Polypropyle:	y SI=Silico	, MF=Metal Film		
MP	9 54.01.0020 1 50.03.0495	6 pcs BD135-16	Contact pin			PETP=	Polyester,	t=Motorola/ St=S				
Ω	3 50.03.0436	BD136-16 BC237B	BC547B, BC550B NPN				90/01/22					
UDER	(00) 90/01/22 Wt	h AUDIO CUNT	KOT ROWKD PT	1.727.670.81	PAGE 2	5 T U	DER (00) 90/01/22 Wth	AUDIO CONTI	KUL BUAKU	PL 1.727.670.	SI PAG
POS.	****	VALUE MPF4392	J112 FET	~~~~~~~~~	MANUF. Mot/Six							
	2 57.11,3332	68 Ohm 3.3 kOhm	2%, 4 W, DR 2%, 0.25W, MF									
R R	4 57.11.3332	3.3 kOhm 3.3 kOhm 3.3 kOhm 3.3 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF									
R R R		3.3 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF									
R R R R R	6 57.11.3332 7 57.11.3332 8 57.11.3332	3.3 kOhm 3.3 kOhm										
R R R R R R R	6 57.11.3332 7 57.11.3332 8 57.11.3332 9 57.11.3332 .10 57.11.3102 .11 57.11.3102	3.3 kOhm 1 kOhm 1 kOhm 2.2 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.5 W, MF									
R R R R R R R R	6 57.11.3332 7 57.11.3332 8 57.11.3332 9 57.11.3332 .10 57.11.3102 .11 57.11.3102 .12 57.13.4229 .13 57.13.4229 .14 57.11.3221 .15 57.11.3333	3.3 kOhm 1 kOhm 1 kOhm 2.2 Ohm 2.2 Ohm 2.2 Ohm 33 kOhm	2%, 0.25W, MF 2%, 0.5 W, MF 2%, 0.5 W, MF 2%, 0.25W, MF 2%, 0.25W, MF									
R	6 57.11.3332 7 57.11.3332 8 57.11.3332 9 57.11.3302 .10 57.11.3102 .11 57.11.3102 .12 57.13.4229 .13 57.13.4229 .14 57.11.3221 .15 57.11.3333 .16 57.11.3103 .17 57.11.3103	3.3 kOhm 1 kOhm 1 kOhm 2.2 Ohm 2.2 Ohm 20 Ohm 33 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.5 W, MF 2%, 0.5 W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF									
R R R R R R R R	6 57.11.3332 7 57.11.3332 9 57.11.3332 9 57.11.3332 .10 57.11.3102 .11 57.11.3102 .12 57.13.4229 .13 57.13.4229 .14 57.11.3221 .15 57.11.3332 .16 57.11.3332 .17 57.11.3103 .18 57.11.3103 .19 57.11.3221 .20 57.11.3221	3.3 kOhm 1 kOhm 1 kOhm 2.2 Ohm 2.2 Ohm 220 Ohm 33 kOhm 10 kOhm 10 kOhm 22 kOhm 22 kOhm 20 Ohm	2x, 0,259, NF 2x, 0,5 W, NF 2x, 0,5 W, NF 2x, 0,259, NF									J,
R	6 57.11.3332 7 57.11.3332 9 57.11.3332 9 57.11.3332 .10 57.11.3302 .11 57.11.3102 .12 57.13.4229 .13 57.13.4229 .14 57.11.332 .15 57.11.332 .16 57.11.333 .17 57.11.333 .18 57.11.333 .19 57.11.323 .20 57.11.321 .20 57.11.322 .20 57.11.322 .21 57.11.322 .22 57.11.3103	3.3 kOhm 1 kOhm 1 kOhm 2.2 Ohm 2.2 Ohm 33 kOhm 33 kOhm 10 kOhm 10 kOhm 22 kOhm 22 Ohm	2X, O. 259/ MF 2X, O. 5 9/ MF 2X, O. 5 9/ MF 2X, O. 259/ MF									J.
R	6 57.11.3332 7 57.11.3332 9 57.11.3332 9 57.11.3332 9 57.11.3332 12 57.11.3332 12 57.11.3134229 13 57.13.4229 14 57.11.3312 15 57.11.3321 16 57.11.3332 16 57.11.3332 16 57.11.3332 17 57.11.3103 18 57.11.3103 19 57.11.3103 19 57.11.3103 23 57.11.3103 23 57.11.3103 23 57.11.3103	3.3 kOha 1 kOhn 1 kOhn 2.2 Oha 2.2 Oha 2.2 Oha 33 kOha 10 kOha	2x, 0.25W, NF 2x, 0.5 M, NF 2x, 0.5 M, NF 2x, 0.25W, NF									i,
R	6 57.11.33327 57.11.33328 57.11.33329 57.11.333210 57.11.333210 57.11.310211 57.11.310212 57.13.422914 57.13.422115 57.13.422116 57.11.310316 57.11.310316 57.11.310317 57.11.310318 57.11.310319 57.11.322120 57.11.310319 57.11.322320 57.11.322321 57.11.310323 57.11.310323 57.11.310323 57.11.310323 57.11.310323 57.11.310324 57.11.310325 57.11.310326 57.11.310327 57.11.3103	3.3 kOhs 1 kOhs 1 kOhs 2.2 Ohs 2.2 Ohs 2.2 Ohs 33 kOhs 10 kOhs	2x, 0.25H/ NF 2x, 0.5 H/ NF 2x, 0.5 H/ NF 2x, 0.5 H/ NF 2x, 0.25H/ NF									4,
R	6 57.11.33327 57.11.33328 57.11.33329 57.11.33329 57.11.333210 57.11.333210 57.11.313211 32.1212 57.11.310213 57.13.422914 57.11.310316 57.11.310316 57.11.310317 57.11.310318 57.11.310319 57.11.310319 57.11.310319 57.11.310319 57.11.310321 57.11.310322 57.11.310323 57.11.310324 57.11.310324 57.11.310325 57.11.310325 57.11.310326 57.11.310327 57.11.310328 57.11.310329 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.310320 57.11.3103	3.3 kOha 1 kOha 1 kOha 1 kOha 2.2 Oha 2.2 Oha 2.2 Oha 33 kOha 10 kOha	2x, 0.259/ NF 2x, 0.5 N/ NF 2x, 0.5 N/ NF 2x, 0.5 N/ NF 2x, 0.259/ NF									δ, V



AUDIO CONTROL BOARD (2CH) 1.727.670.00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS	/ EQUIVALENT	MANUF.
	C1 C2 C3 C6 C6 C7 C8 C9 C11 C12 C13	59.25.3471 59.25.3471 59.26.0104 59.22.3470 59.22.8100 59.22.5101 59.22.5101 59.22.5101 59.06.0683 59.05.1222 59.05.1222 59.05.1222 59.05.1222	470 uF 470 uF 0.1 uF 47 uF 10 uF 100 uF 100 uF 100 uF 68 nF 68 nF 1 nF 2.2 nF 1 nF	-20% 16 V EL -20% 16 V EL 10% 63 V PE -20% 63 V EL -20% 55 V EL -20% 25 V EL -20% 25 V EL 10% 63 V PE 10% 63 V PE 1% 160 V PP 1% 160 V PP 1% 160 V PP 1% 160 V PP	TP TP TP			R36 R37 R38 R39 R40 R41 R42 R44 R44 R45 R44 R45 R44 R47 R48	57.11.3221 57.11.3332 57.11.3104 57.11.3392 57.11.3392 57.11.3491 57.11.3491 57.11.3471 57.11.3472 57.11.3472 57.11.3472 57.11.3472 57.11.3472	220 Ohm 3.3 kOhm 100 kOhm 3.3 kOhm 3.3 kOhm 1 kOhm 51 Ohm 1 kOhm 470 Ohm 4.7 kOhm 4.7 kOhm 560 Ohm	2%, 0.25%, MF 2%, 0.25%, MF		
	D1 D2 D3 D4 D5 D6	59.05.1102 50.04.0512 50.04.0125 50.04.0125 50.04.0125 50.04.0125	1 nF 1N5819 1N4448 1N4448 1N4448	1% 160 V PP 30V 50V 50V 50V not used		Mot		R50 R51 R52 RA1 TP0 TP1	57.11.3332 57.11.3472 57.56.5680 58.01.8202 54.02.0320 54.02.0320	3.3 kOhm 4.7 kOhm 68 Ohm 2 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 4 W, DR Potmeter PMG PLUG 2.8*0.8 PLUG 2.8*0.8		
	D7 IC1 IC2 IC3 IC4 IC5 IC6 IC7	50.07.0018 50.07.0018 50.07.0018 50.07.0018 50.07.0018 50.05.0283 50.17.1000 50.09.0107	MC14094 MC14094 MC14094 MC14094 MC14094 LM393 74HC00 RC4559	not used CMOS CMOS CMOS CMOS CMOS Dual Comparator HCMOS Dual Op. Amp.		Mot Mot Mot Mot		W2 W3 W5 W6 W6 W6	57.11.3000 57.11.3000 57.11.3000 57.11.3000 57.11.3000		Wire Bridge Wire Bridge Wire Bridge not used wire Bridge not used not used not used		
STU	IC9 IC10 IC11 IC12 IC13	50.17.1002 50.09.0107 50.07.0018 50.17.1074 50.09.0105	74HC02 RC4559 HC14094 74HC74 NE5532 AUDIO CONT	HCMOS Dual Op. Amp. CMOS HCMOS Dual Op. Amp. ROL BOARD	PL 1.727.670.00	Mot PAGE 1	STU	W11 W14 W15 XIC1 D E R (00	57.11.3000 57.11.3000 57.11.3000 53.03.0168 99/03/21 Wth	16 pol AUDIO CONTE	Wire Bridge Wire Bridge Wire Bridge IC Socket	PL 1.727.670.00	PAGE 4
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	/ EQUIVALENT	MANUF.
	J 1 J 2 J 3 J 11 J 12 J 13 J 21 J 23 J 24 J 31 J 32 J 33 J 34 J 35 J 36 J 41 J 42	54.01.0248 54.01.0248 54.01.0248 54.01.0226 54.01.0226 54.01.0218 54.01.0218 54.01.0225 54.01.0227 54.01.0217 54.01.0217 54.01.0217 54.01.0217 54.01.0217 54.01.0217 54.01.0217	20-POLE 20-POLE 4-POLE 20-POLE 20-POLE 7-POLE 20-POLE 9-POLE 9-POLE 9-POLE 9-POLE 9-POLE 9-POLE 9-POLE 9-POLE 7-POLE 20-POLE 9-POLE 9-POLE 9-POLE 9-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip not used CIS Socket Strip		AMP		XIC2 XIC3 XIC4 XIC5 XIC6 XIC6 XIC7 XIC8 XIC10 XIC11 XIC11 XIC12	53.03.0168 53.03.0168 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	16 pol 16 pol 16 pol 16 pol 18 pol 14 pol 8 pol 14 pol 8 pol 16 pol 16 pol 18 pol 8 pol 18 pol 18 pol 19 pol 19 pol 19 pol 10 po	IC Socket		
	J43 J44 J51 JS2	54.01.0292 54.01.0226 54.01.0021 54.01.0021	13-POLE 20-POLE	CIS Socket Strip CIS Socket Strip Bridge Bridge		AMP							
	MP1 MP2 MP3 MP4 MP5 MP6 MP7 MP8	1.727.670.11 1.727.400.01 1.727.670.10 21.99.0180 21.53.0355 24.16.2030 37.01.0101 43.01.0108 54.01.0020	1 pce 1 pce 2 pcs 2 pcs 2 pcs 1 pce 1 pce 1 pce	Audio Control PCI Headsink No. label Screw M3 * 5 Screw M3 * 8 Lock wacher Lock wacher ESE warning label Contact pin		St St St St	EL=Ele PETP-P	ctrolytic/ ;	PP≈Polypropylen	, SI=Silicon	, MF=Metal Film		
STU	Q1 Q2 Q3 DER (50.03.0495 50.03.0510 50.03.0436	BD135-16 BD136-16 BC237B AUDIO CONT	BC547B, BC550B	NPN PNP NPN PL 1.727.670.00	PAGE 2	ORIG 8	9/03/21	Motorola, St≖St			PL 1.727.670.00	PAGE 5
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / E	QUIVALENT	MANUF.							
	R	50.03.0350 57.15.6.5680 57.11.3332 57.11.3332 57.11.3332 57.11.3332 57.11.3332 57.11.3332 57.11.3322 57.11.3422 57.11.3102 57.13.4229 57.13.4229 57.11.3422	MPF4392 68 Ohn 3.3 kOhn 3.3 kOhn 3.3 kOhn 3.3 kOhn 3.3 kOhn 3.3 kOhn 1 kOhn 1 kOhn 2.2 Ohn 2.2 Ohn	J112 2X. 4 W. DR 2X. 0.25W. MF 2X. 0.5	FET	Mot/Six							
	R 14 R 15 R 16 R 17 R 19 R 20 R 22 R 23 R 24 R 25 R 26 R 27 R 28 R 29 R 30 R 31 R 31 R 32 R 33 R 34 R 35	57.11.3221 57.11.303 57.11.3103 57.11.3103 57.11.3103 57.11.3223 57.11.3103	220 Ohm 3.3 kOhm 10 kO	23. 0. 2594 MF 22. 0. 2594 MF 22. 0. 2594 MF 22. 0. 2594 MF 22. 0. 2594 MF 23. 0. 2594 MF									
STUI	DER (O	0) 89/03/21 Wth	AUDIO CONTR	OL BOARD	PL 1.727.670.00	PAGE 3							



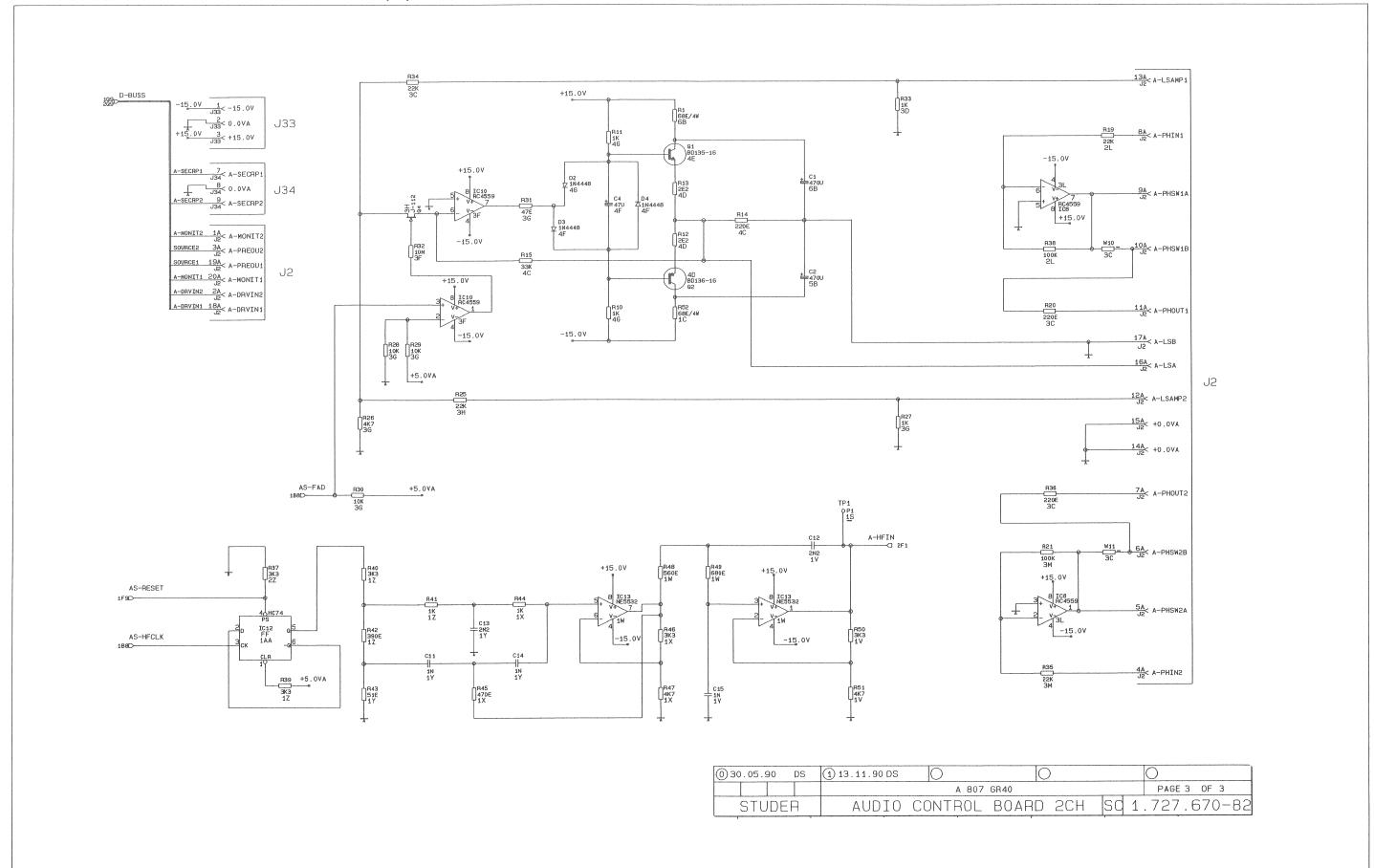


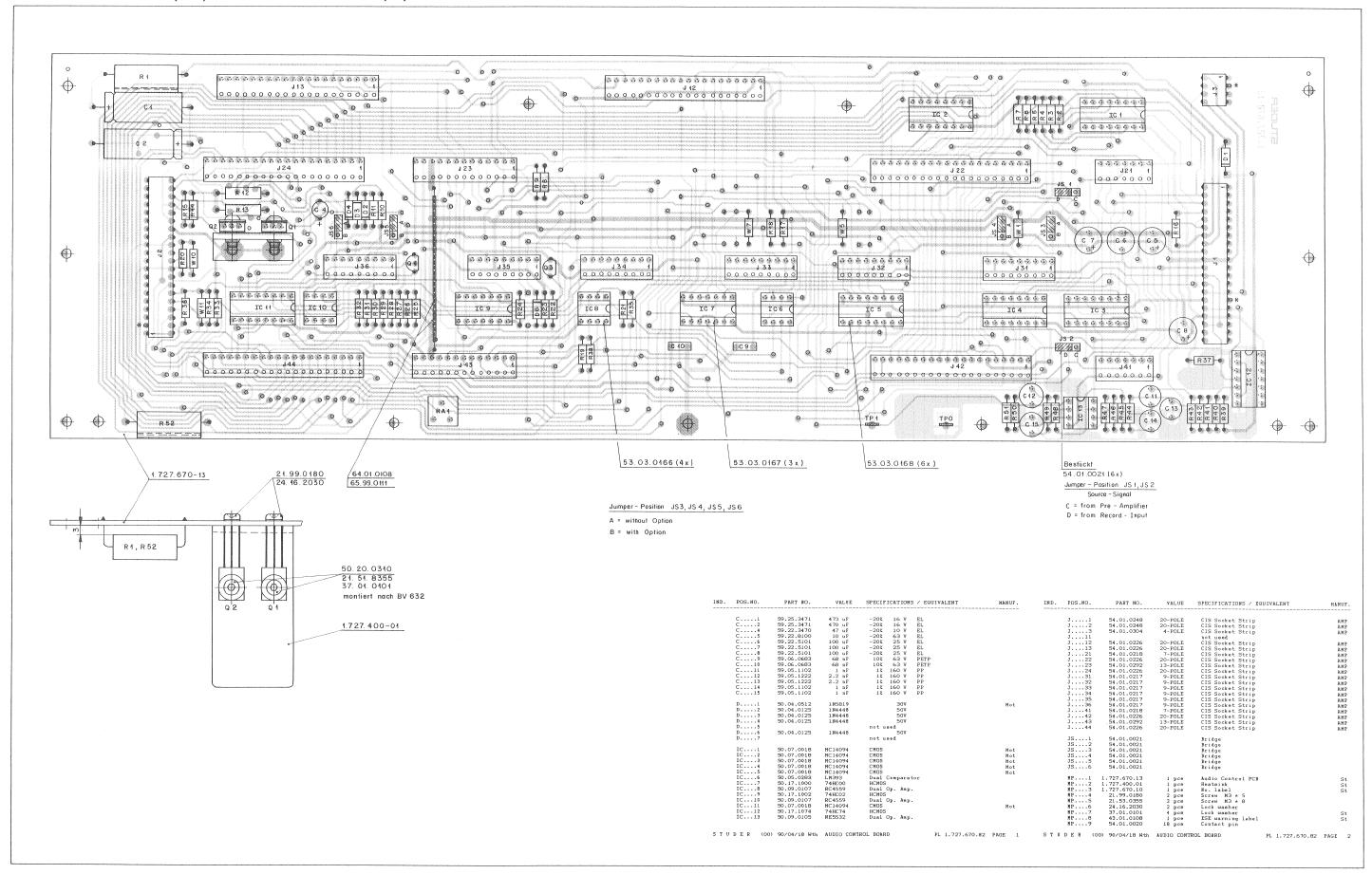
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AUDIO CONTROL BOARD 2CH

STUDER

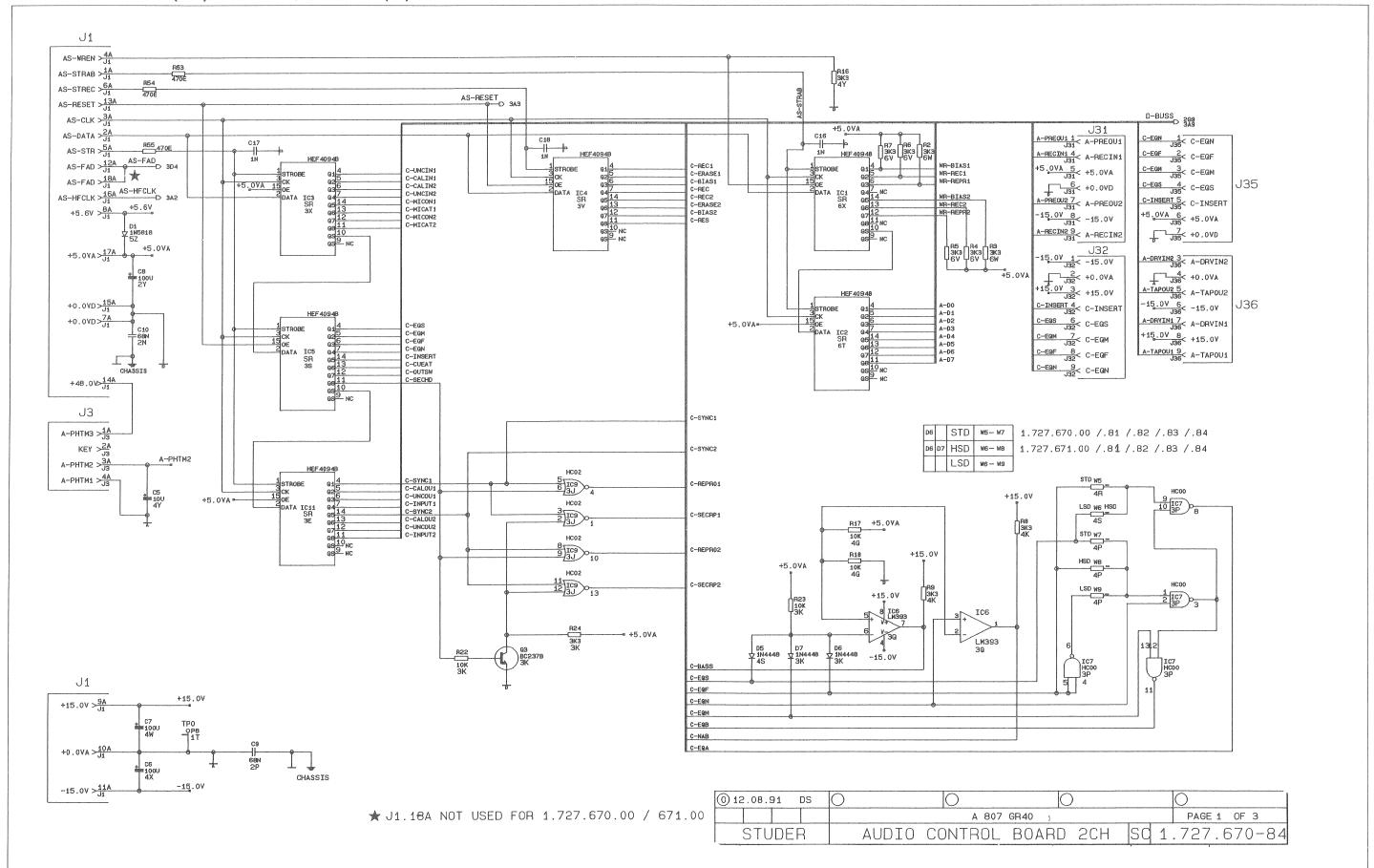
PAGE 2 OF 3 SC 1.727.670-82

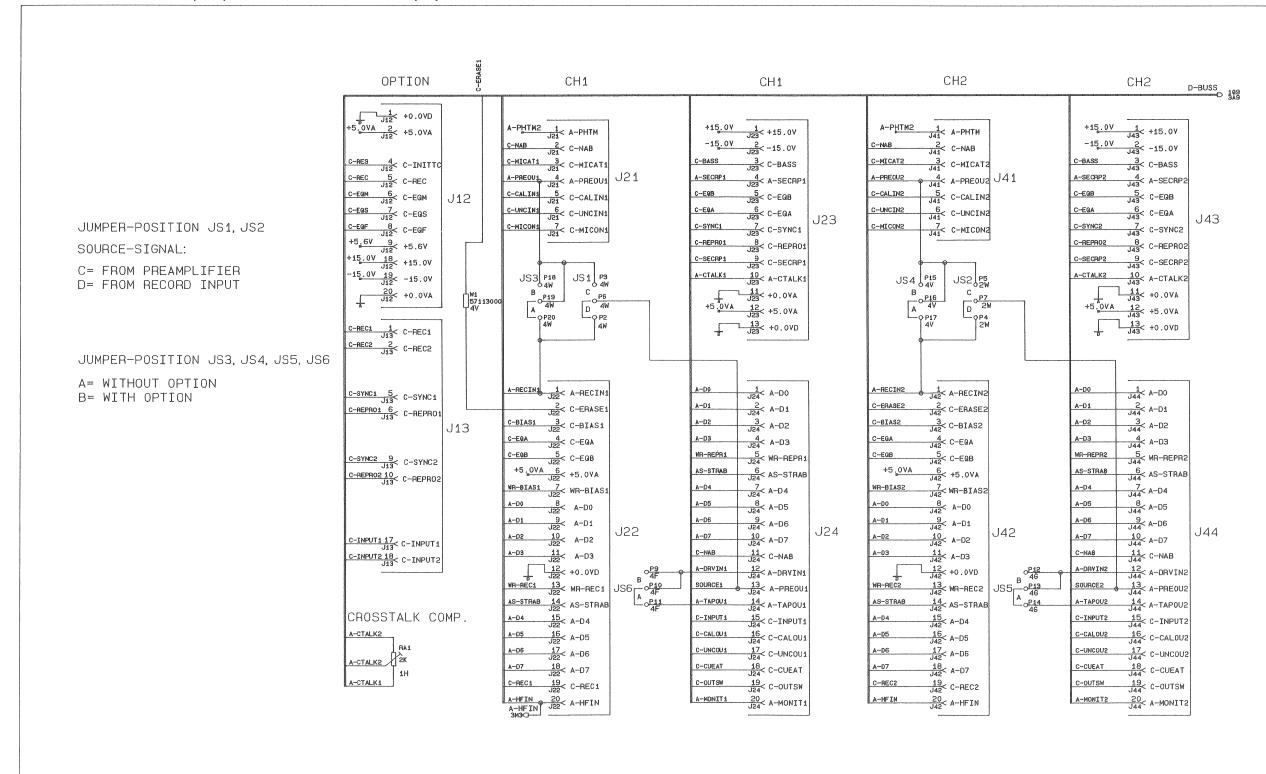




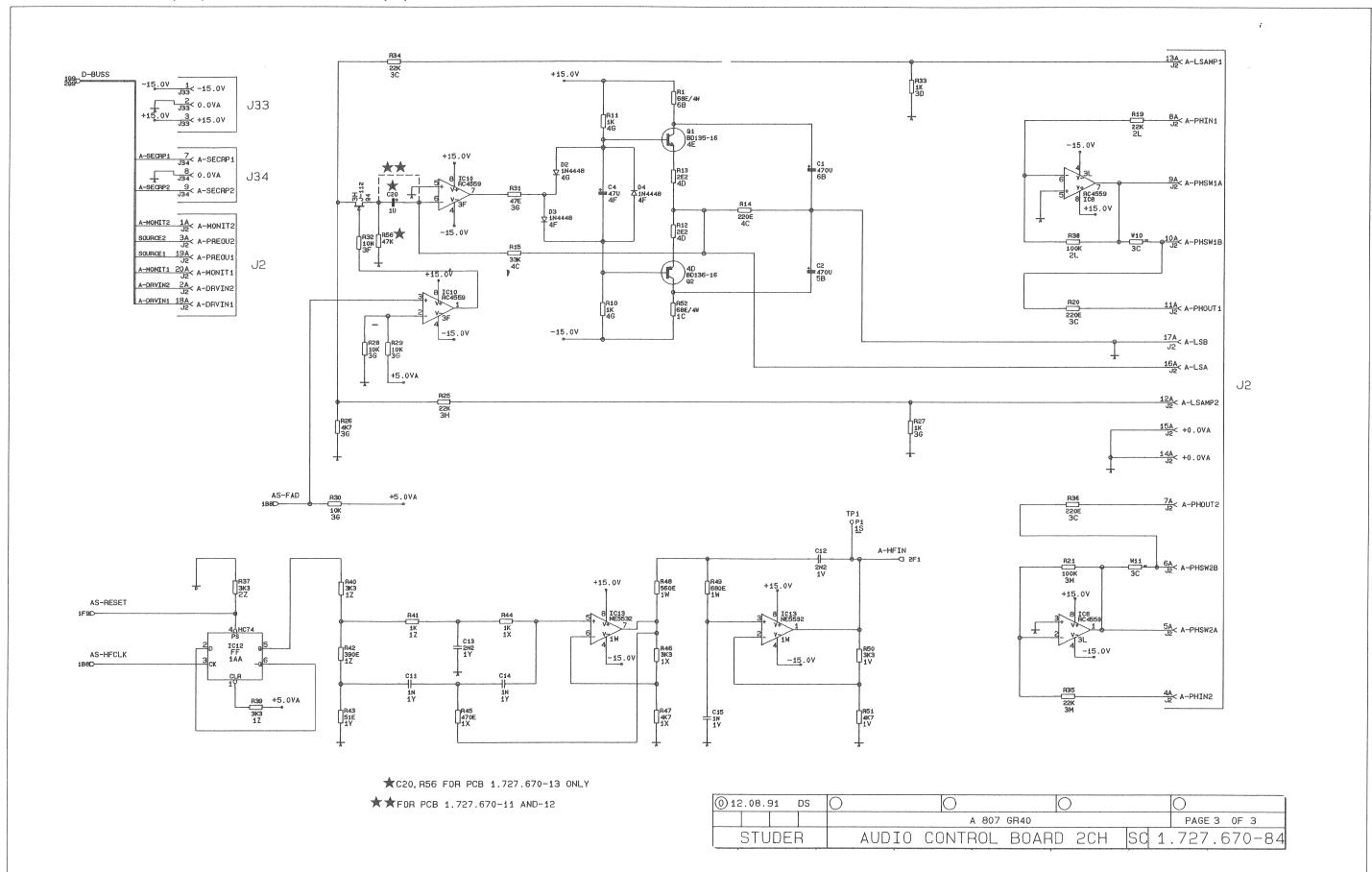
AUDIO CONTROL BOARD (2CH) 1.727.670.82

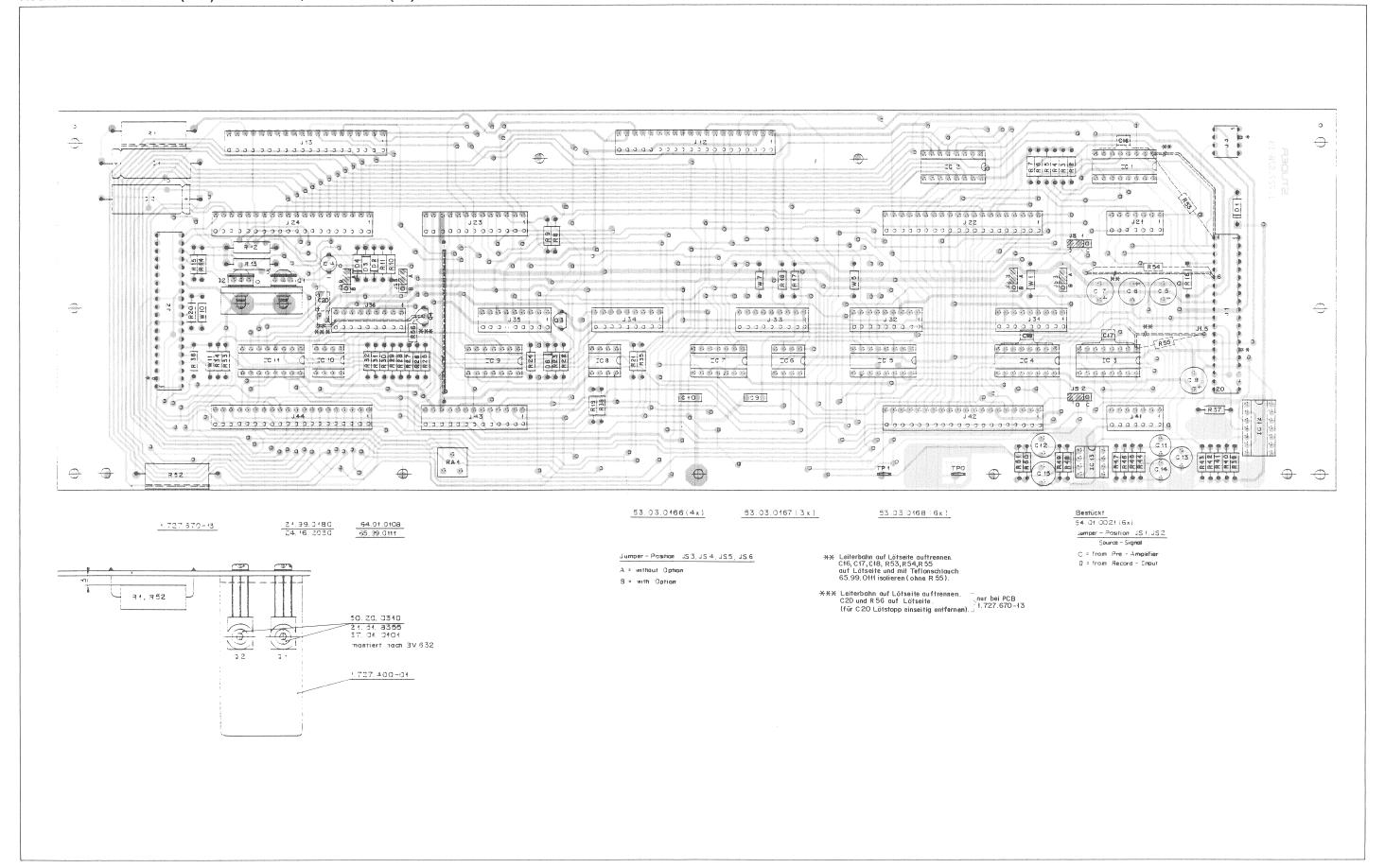
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	FOUTUAL FAT	HANUF.
91	50.03.0495	BD135-16	SPECIFICATIONS /	NPN	
Q2 Q3 Q4	50.03.0510 50.03.0436 50.03.0350	BD136-16 BC237B MPF4392	BC547B, BC550B J112	PNP NPN FET	Mot/Six
R1 R2 R3	57.56.5680 57.11.3332 57.11.3332	68 Ohm 3.3 kOhm 3.3 kOhm	2%, 4 H, DR 2%, 0.25W, MF 2%, 0.25W, MF		
R4 R5 R6 R7	57.11.3332 57.11.3332 57.11.3332 57.11.3332	3.3 kOhm 3.3 kOhm 3.3 kOhm 3.3 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R9 R10	57.11.3332 57.11.3332 57.11.3332 57.11.3102	3.3 kOhm 3.3 kOhm 1 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		
R11 R12 R13	57.11.3102 57.13.4229 57.13.4229	2.2 Ohm 2.2 Ohm	2%, 0.25W, MF 2%, 0.5 W, MF 2%, 0.5 W, MF		
R14 R15 R16	57.11.3221 57.11.3333 57.11.3332	220 Ohm 33 kOhm 3.3 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R17 R18 R19 R20	57.11.3103 57.11.3103 57.11.3223 57.11.3221	10 kOhm 10 kOhm 22 kOhm 220 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R21 R22 R23	57.11.3104 57.11.3103 57.11.3103	100 kOhm 10 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R24 R25 R26	57.11.3332 57.11.3223 57.11.3472 57.11.3102	3.3 kOhm 22 kOhm 4.7 kOhm 1 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R27 R28 R29 R30	57.11.3102 57.11.3103 57.11.3103 57.11.3103	10 kOhm 10 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R31 R32	57.11.3470 57.11.5106	47 Ohm 10 MOhm	2%, 0.25W, MF 5%, 0.25W, MF		
STUDER (O)) 90/04/18 Wth	AUDIO CONTE	KUL BUARD	PL 1.727.670.	ez PAGE 3
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MANUF.
R33 R34 R35	57.11.3102 57.11.3223 57.11.3223	1 kOhm 22 kOhm 22 kOhm	2%, 0.25W, Mf 2%, 0.25W, MF 2%, 0.25W, MF		
R36 R37 R38 R39	57.11.3221 57.11.3332 57.11.3104 57.11.3332	220 Ohm 3.3 kOhm 100 kOhm 3.3 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R40 R41 R42	57.11.3332 57.11.3102 57.11.3391	3.3 kOhm 1 kOhm 390 Ohm	2%, 0.25W, MF 2%, 0.25W, Mf 2%, 0.25W, MF		
R43 R44 R45	57.11.3510 57.11.3102 57.11.3471	51 Ohm 1 kOhm 470 Ohm	1%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R46 R47 R48 R49	57.11.3332 57.11.3472 57.11.3561 57.11.3681	3.3 kOhm 4.7 kOhm 560 Ohm 680 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
R50 R51 R52	57.11.3332 57.11.3472 57.56.5680	3.3 kOhm 4.7 kOhm 68 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 4 %, DR		
RA1 TP0	58.01.8202 54.02.0320	2 kOhm	Potmeter PMG		
TP1	54.02.0320 57.11.3000		PLUG 2.8*0.8 PLUG 2.8*0.8 Wire Bridge		
W5 W6 W7	57.11.3000 57.11.3000		Wire Bridge not used Wire Bridge not used		
W8 W9 W10 W11	57.11.3000 57.11.3000		not used Wire Bridge Wire Bridge		
XIC1 XIC2	53.03.0168 53.03.0168	16 pol 16 pol	IC Socket IC Socket		
STUDER (OC)) 90/04/18 Wth	AUDIO CONTR	ROL BOARD	PL 1.727.670.	82 PAGE 4
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MANUF.
XIC3 XIC4	53.03.0168 53.03.0168	16 pol 16 pol	IC Socket IC Socket		
XIC5 XIC6 XIC7	53.03.0168 53.03.0166 53.03.0167	16 pol 8 pol 14 pol	IC Socket IC Socket IC Socket		
XIC8 XIC9 XIC10 XIC11	53.03.0166 53.03.0167 53.03.0166 53.03.0168	8 pol 14 pol 8 pol 16 pol	IC Socket IC Socket IC Socket IC Socket		
XIC11 XIC12 XIC13	53.03.0168 53.03.0167 53.03.0166	14 pol 8 pol	IC Socket IC Socket IC Socket		
EL=Electrolytic,	PP=Polypropylen/	SI=Silicon	, MF=Metal Film		
MANUFACTURER: Mot=	Motorola, St=Stu	ider, Six=Si	liconix		
ORIG 90/04/18 STUDER (00) 90/04/18 Wth	AUDIO CONTR	OL BOARD	PL 1,727,670.	B2 PAGE 5
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	A 807	GR40	PAGE 2 OF 3
STUDER	AUDIO CONTROL	BOARD 2CH SC	1.727.670-84

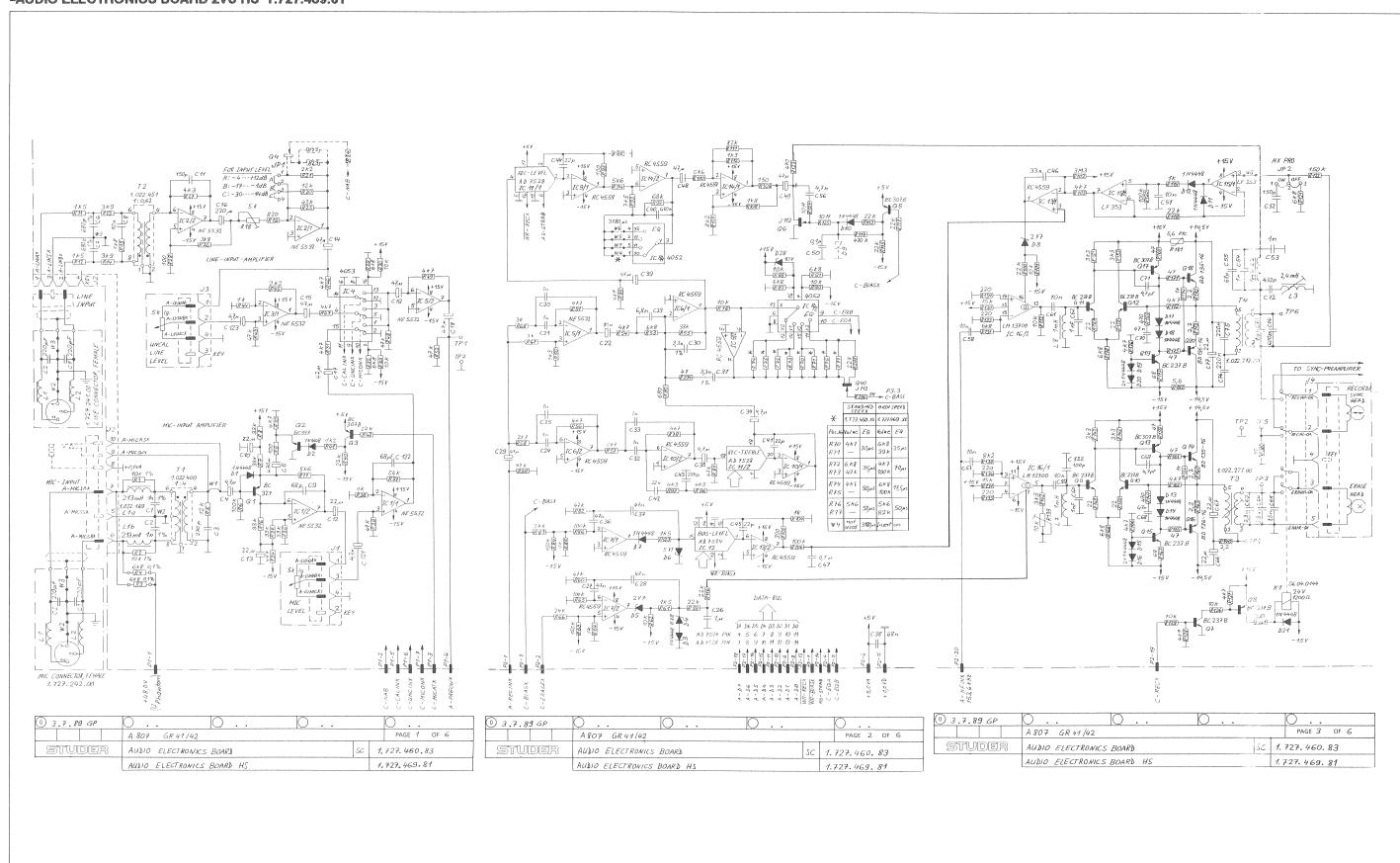




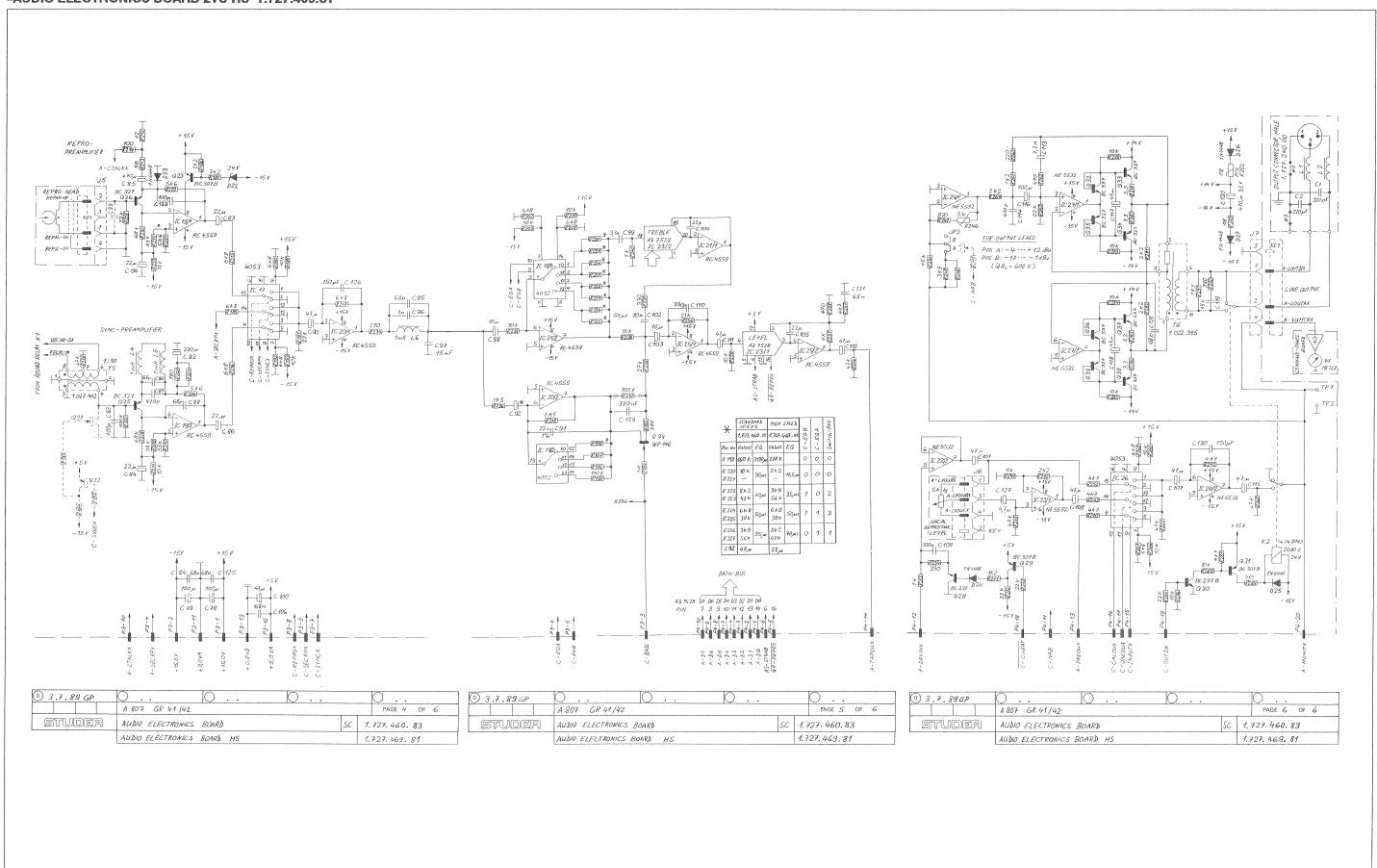
AUDIO CONTROL BOARD (2CH) 1.727.670.84

	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS	ÉQUIVALENT	MAN
	C1 C2 C4	59.25.3471 59.25.3471 59.22.3470	470 uF 470 uF 47 uF	-20% 16 V EL -20% 16 V EL -20% 10 V EL			R27 R28 R29	57.11.3102 57.11.3103 57.11.3103	1 kOhm 10 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
	C5 C6 C7	59.22.8100 59.22.5101 59.22.5101	10 uF 100 uF 100 uF	-20% 63 V EL -20% 25 V EL -20% 25 V EL			R30 R31 R32	57.11.3103 57.11.3470 57.11.5106	10 kOhm 47 Ohm 10 MOhm	2%, 0.25W, MF 2%, 0.25W, MF 5%, 0.25W, MF		
	C8 C9 C10	59.22.5101 59.06.0683 59.06.0683	100 uF 68 nF 68 nF	-20% 25 V EL 10% 63 V PETP 10% 63 V PETP			R33 R34 R35	57.11.3102 57.11.3223 57.11.3223	1 kOhm 22 kOhm 22 kOhm	2%, 0.25%, Mf 2%, 0.25%, MF 2%, 0.25%, HF		
	C11 C12 C13	59.05.1102 59.05.1222 59.05.1222	1 nF 2.2 nF 2.2 nF	1% 160 V PP 1% 160 V PP 1% 160 V PP			R36 R37 R38	57.11.3221 57.11.3332 57.11.3104	220 Ohm 3.3 kOhm 100 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		
	C14 C15 C16	59.05.1102 59.05.1102 59.44.4102	1 nF 1 nF 1 nF	1% 160 V PP 1% 160 V PP 20% 50 V CER			R39 R40 R41	57.11.3332 57.11.3332 57.11.3102	3.3 kOhm 3.3 kOhm 1 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, Mf		
	C17 C18 C19	59.44.4102 59.44.4102	1 nF 1 nF	20% 50 V CER 20% 50 V CER not used			R42 R43 R44	57.11.3391 57.11.3510	390 Ohm 51 Ohm	2%, 0.25%, MF 1%, 0.25%, MF 2%, 0.25%, MF		
	D1	59.26.5109 50.04.0512	10 uF 1N5819	20% 25 V SAL, see note	1 Mot		R45 R46 R47	57.11.3102 57.11.3471 57.11.3332 57.11.3472	1 k0hm 470 Ohm 3.3 k0hm 4.7 k0hm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		
	D3 D4	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50V 50V 50V			R48 R49 R50	57.11.3561 57.11.3681 57.11.3332	560 Ohm 680 Ohm 3.3 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		
	D5 D6 D7	50.04.0125	1 N444 8	not used 50V not used			R51 R52 R53	57.11.3472 57.56.5680 57.11.3471	4.7 kOhm 68 Ohm 470 Ohm	2%, 0.25%, MF 2%, 4 W, DR 2%, 0.25%, MF		
	IC1 IC2	50.07.0018 50.07.0018	MC14094 MC14094	CMOS CMOS	Mot Not		R54 R55 R56	57.11.3471 57.11.3471 57.11.3473	470 Ohm 470 Ohm 47 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF,	see note 1	
	IC3 IC4 IC5	50.07.0018 50.07.0018 50.07.0018	MC14094 MC14094 MC14094	CNOS CNOS CNOS	Not Not Not		RA1	58.01.8202	2 kOhm	Potmeter PMG		
	IC6 IC7 IC8	50.05.0283 50.17.1000 50.09.0107	LM393 74HC00 RC4559	Dual Comparator HCMOS Dual Op. Amp.			TP0 TP1	54.02.0320 54.02.0320		PLUG 2.8*0.8 PLUG 2.8*0.8		
υ	IC9	50.17.1002 0) 91/08/12 GP	74HCO2 AUDIO CONT	HCMOS	.670.84 PAGE 1	STU	W1 DER (00	57.11.3000)> 91/08/12 GP	AUDIO CONTE	Wire Bridge ROL BOARD	PL 1.727.670.6	84 PAGE
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS A	/ EQUIVALENT	HAI
	IC10 IC11	50.09.0107 50.07.0018	RC4559 MC14094	Dual Op. Amp. CMOS	Mot		W5 W6	57.11.3000		Wire Bridge not used Wire Bridge		
	IC12 IC13	50.17.1074 50.09.0105 54.01.0248	74HC74 NE5532 20-POLE	HCMOS Dual Op. Amp. CIS Socket Strip	AMP		W7 W8 W9 W10	57.11.3000 57.11.3000		not used not used not used Wire Bridge		
	J1 J2 J3 J11	54.01.0248 54.01.0248 54.01.0304	20-POLE 20-POLE 4-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip not used	AMP AMP		W11 XIC1	57.11.3000 57.11.3000 53.03.0168	16 pol	Wire Bridge Wire Bridge IC Socket		
	J12 J13 J21	54.01.0226 54.01.0226 54.01.0218	20-POLE 20-POLE 7-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP		XIC2 XIC3 XIC4	53.03.0168 53.03.0168 53.03.0168	16 pol 16 pol 16 pol	IC Socket IC Socket IC Socket		
	J22 J23	54.01.0216 54.01.0226 54.01.0292 54.01.0226	20-POLE 13-POLE 20-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP		XIC5 XIC6 XIC7	53.03.0168 53.03.0166 53.03.0167	16 pol 8 pol 14 pol	IC Socket IC Socket IC Socket		
	J31 J32 J33	54.01.0217 54.01.0217 54.01.0217	9-POLE 9-POLE 9-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP		XIC9 XIC10	53.03.0166 53.03.0167 53.03.0166	8 pol 14 pol 8 pol	IC Socket IC Socket IC Socket		
	J34 J35 J36	54.01.0217 54.01.0217 54.01.0217	9-POLE 9-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip	ANP AMP ANP		XIC11 XIC12 XIC13	53.03.0168 53.03.0167 53.03.0166	16 pel 14 pel 8 pel	IC Socket IC Socket IC Socket		
	J41 J42 J43	54.01.0218 54.01.0226 54.01.0292	9-POLE 7-POLE 20-POLE 13-POLE	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP				•			
	J44 JS1	54.01.0226 54.01.0021	20-POLE	Bridge	AMP							
	JS2 JS3 JS4 JS5	54.01.0021 54.01.0021 54.01.0021 54.01.0021		Bridge Bridge Bridge Bridge			max. moni	es verry low fraction-volume (for	PCB 1.727.6	llation at 570-13 only). 1 , MF=Metal Film		
	JS6 MP1	54.01.0021 1.727.670.13	1 pce	Bridge Audio Control PCB	St St	PETP=	Polyester, S	SAL=Solid Alumi Motorola, St=S	nium			
	MP2 MP3 MP4	1.727.400.01 1.727.670.10 21.99.0180	1 pce 1 pce 2 pcs	Heatsink No. label Screω M3 ★ 5	St		91/08/12	-110 COT OT & 7 SC-3	dudel, Dix-5.			
U	DER (O	0) 91/08/12 GP	AUDIO CONT	ROL BOARD PL 1.727	.670.84 PAGE 2	STU	D E R (00)) 91/08/12 GP	AUDIO CONTE	ROL BOARD	PL 1.727.670.8	94 PAGE
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.							
	MP5 MP6 MP7 MP8	21.53.0355 24.16.2030 37.01.0101 43.01.0108	2 pcs 2 pcs 4 pcs 1 pcs	Screw M3 * 8 Lock washer Lock washer ESE warning label	St St							
	MP9 Q1 Q2	54.01.0020 50.03.0495 50.03.0510	18 pcs BD135-16 BD136-16	Contact pin NPN PNP								
	Q3 Q4	50.03.0436 50.03.0350	BC237B MPF4392	BC547B, BC550B NPN J112 FET	Mot/Six							
	R1 R2 R3	57.56.5680 57.11.3332 57.11.3332	68 Ohm 3.3 kOhm 3.3 kOhm	2%, 4 W, DR 2%, 0.25W, MF 2%, 0.25W, MF								
	R5 R6	57.11.3332 57.11.3332 57.11.3332	3.3 kOhm 3.3 kOhm 3.3 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF								
	R7 R8 R9	57.11.3332 57.11.3332 57.11.3332	3.3 kOhm 3.3 kOhm 3.3 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF								
	R10 R11 R12	57.11.3102 57.11.3102 57.13.4229	1 k0hm 1 k0hm 2.2 0hm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.5 W, MF								
	R19 R14 R15	57.13.4229 57.11.3221 57.11.3333	2.2 Ohm 220 Ohm 33 kOhm	2%, 0.5 W, MF 2%, 0.25W, MF 2%, 0.25W, MF								
	R16 R17	57.11.3332 57.11.3103 57.11.3103	3.3 kOhm 10 kOhm 10 kOhm	2%, 0.25%, HF 2%, 0.25%, HF 2%, 0.25%, HF								
	R18	57.11.3223	22 kOhm 220 Ohm	2%, 0.25W, MF 2%, 0.25W, MF								
	R19 R20 R21	57.11.3221 57.11.3104	100 kDhm	2%, 0.25W, MF								
	R18 R19 R20	57.11.3221 57.11.3104 57.11.3103 57.11.3103 57.11.3332 57.11.3223	100 kOhm 10 kOhm 10 kOhm 3.3 kOhm 22 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF								

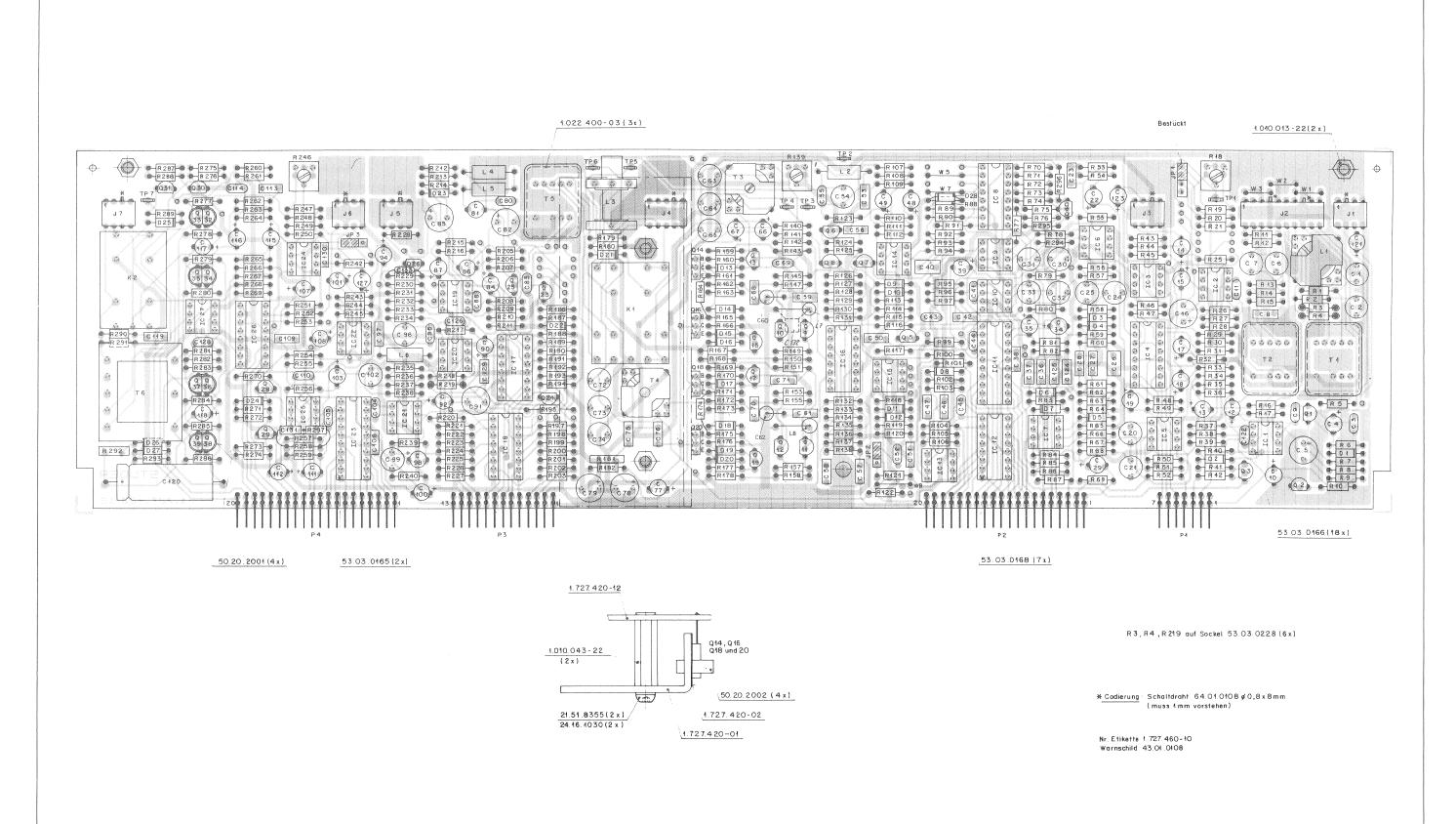
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AUDIO ELECTRONICS BOARD 2VU 1.727.460.83 -AUDIO ELECTRONICS BOARD 2VU HS 1.727.469.81



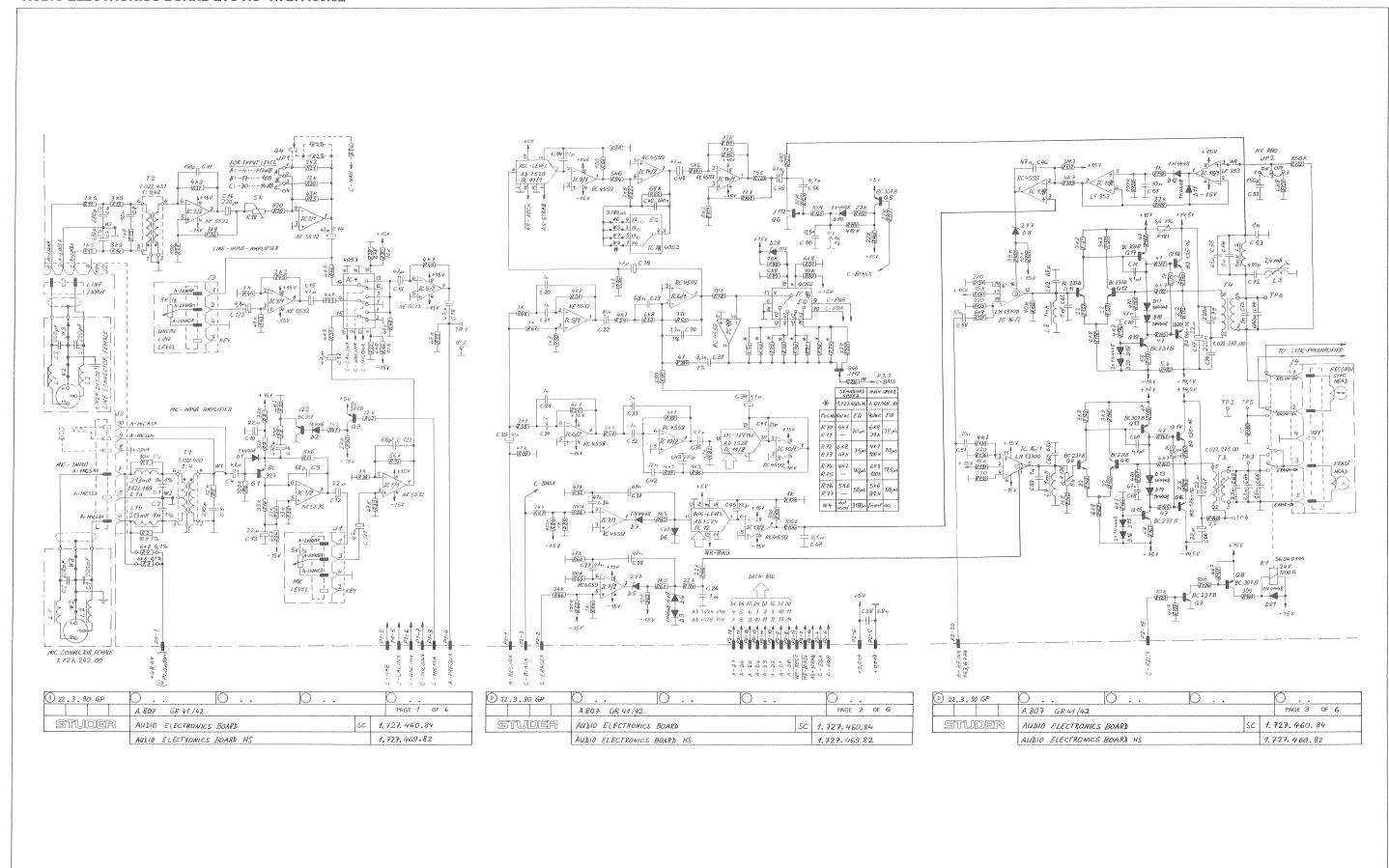
AUDIO ELECTRONICS BOARD 2VU 1.727.460.83 -AUDIO ELECTRONICS BOARD 2VU HS 1.727.469.81



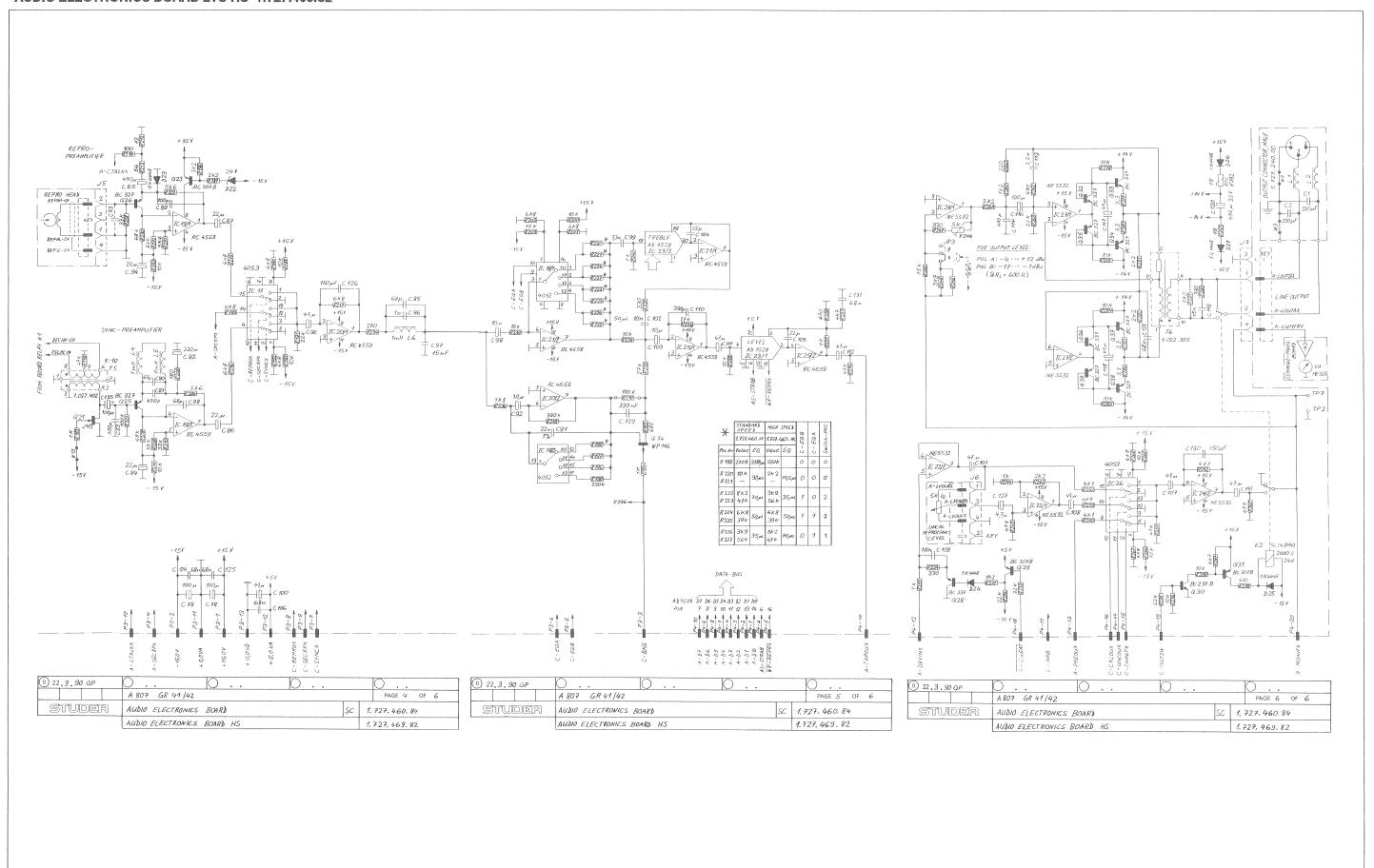
ID. POS.NO. PAR	RT NO. VALUE	SPECIFICATIONS / EQUIVALENT HANU		PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND. POS.NO.	PART NO. V	ALUE SPECIFICATIONS / EQUIVALEN	т, и
C2 59,05 C3 59,34 C4 59,22 C5 59,22 C5 59,22 C6 59,06 C7 59,07 C8 59,06 C9 59,34 C10 59,22 C11 59,22 C12 59,22 C13 59,22 C14 59,22 C15 59,22 C16 59,22 C16 59,22 C17 59,22 C18 59,05 C25 59,25 C23 59,06 C24 59,06 C25 59,05 C25 59,05 C25 59,05 C25 59,05 C26 59,06 C27 59,05 C27 59,05 C28 59,06 C29 59,06 C33 59,06 C33 59,06 C33 59,06 C33 59,06	15.1102	1X 50V PP 1X 50V PP 1X 50V CPT 1X 50V CPT 20X 6.3V EL 1X 50V PP 1X 50V PP 1X 50V PFT 10Q 50V CGC 20X 22V EL 10X 50V EL 20X 10V EL 20X 50V PFT 20X 50V PFT 20X 50V PFT 20X 50V PFT 20X 50V PFTP 20	C112 C113 C114 C115 C117 C118 C119 C120 C121 C122 C125 C126 C127 C128 C129 C127 C128 C129 C129 C133 D1 D2 D3 D4 D4 D4 D5 D4 D5 D4 D7 D8 D9 D11 D9 D11 D11 D12 D13	59.06.0222 59.34.5471 59.22.3470 59.22.3470 59.22.3470 59.22.3470 59.22.3470 59.22.3470 59.25.5471 59.34.4680 59.06.0683 59.34.4151 59.22.8479 59.06.0683 59.34.4151 59.22.8479 59.06.0683 59.34.4151 59.34.4151 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125	47 uF 2.2 nF 470 pF 470 uP 470 uP 47 uF 68 pF 4.7 uF 68 nF 150 pF 4.7 uF 68 nF 150 pF 4.7 uF 68 nF 150 pF 150 pF 170 uP 18448 18448 18448 18448 18448 18448 18448 18448 18448 18448 18448	-20X 10V EL 10X 50V PETP 10X 50V CEF -20X 10V EL -20X 10V EL -20X 10V EL -20X 35V PETP 10X 50V PETP 10X 50V PETP 10X 50V PETP 10X 50V CEF -20X 35V EL -20X 35V EL -20X 35V EL -20X 35V EL -20X 35V FETP 10X 50V CEF -20X 35V CEF -20X 3	83 PAGE 4	MP8 MP18 MP19 MP13 MP14 MP15 MP16 P1 P2 P2 P3 Q1 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q2 Q3 Q4 Q5 Q6 Q6 Q6 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q13 Q15 Q16 Q17 Q18 Q17 Q18 Q19 Q22	1.727.420.01 1.727.420.02 1.727.420.02 1.727.420.02 1.727.420.02 1.022.400.03 51.010.03 54.01.0223 54.01.0223 54.01.0223 54.01.0223 54.01.0223 54.01.0223 55.03.0425 50.03.0425 50.03.0436 50.03.0515 50.03.0515 50.03.0436 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0515	1 pcs 2 pcs 2 pcs 2 pcs 2 pcs 1 pcs	Heatsink Thermoplastic No. Label Two	St St St St St	R 57 R 59 R 59 R 69 R 61 R 62 R 63 R 65 R 66 R 67 R 72 R 72 R 72 R 72 R 73 R 74 R 75 R 75 R 76 R 78 R 79 R 79 R 70 R 71 R 72 R 72 R 73 R 74 R 75 R 76 R 76 R 76 R 77 R 77 R 77 R 77 R 77 R 78 R 79 R 79 R 79 R 70 R 70	57.11.3473 47 57.11.3103 10 57.11.3103 10 57.11.3104 10 57.11.3104 10 57.11.3104 10 57.11.3104 3 57.11.3102 3 57.11.3102 3 57.11.3102 4 57.11.3103 47 57.11.3472 4.7 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3473 47 57.11.3103 10 57.11.3103 10 57.11.3103 10 57.11.3103 10 57.11.3103 10 57.11.3103 10 57.11.3103 10 57.11.3103 10 57.11.3103 10	Colha 22, 0.254, MF	27.460.83 PAGE
D. POS.NO. PAR	RT NO. VALUE	SPECIFICATIONS / EQUIVALENT MANUF		PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND. POS.NO.		aLUE SPECIFICATIONS ∕ EQUIVALEN	
C39 99.22 C40 99.06 C41 99.06 C42 99.06 C44 99.34 C44 99.34 C44 99.34 C46 99.06 C47 99.06 C47 99.06 C48 99.22 C50 99.06 C55 99.06 C55 99.06 C55 99.34 C56 99.06 C56 99.06 C57 99.06 C57 99.06 C56 99.06 C57 99.06 C58 99.06 C59 99.06 C66 99.05 C67 99.06 C71 99.06 C71 99.06 C71 99.06 C71 99.06	5.1102 1 nF 5.1681 680 pF	10X 50V PETP -20X 10V ELP -20X 50V PETP -20X 10V SOV Car -20X 50V Car -10X 50V PETP -20X 10V ELP -20X 10V ETP -20X 50V PETP -20X 50V Car -20X 50V Ca	D15 D16 D17 D18 D10 D17 D18 D10 D21 D22 D23 D24 D25 D26 D26 D26 D26 D26 D26 D28 IC1 IC2 IC3 IC4 IC4 IC1 IC11	50.04.0125 50.09.0105 50.09.0105 50.09.0105 50.09.0105 50.09.0105 50.09.0107	1N4449 1N4448 1N4488 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4448 1N4488 1N4448 1N448 1N4448 1N448 1N44	SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV SI SOV	Sig Sig Sig Not Sig Pa Pa Mot Ra ADI Ra Ra Ra Ra Sig Sig Sig Sig Sig Sig	Q	50, 03, 0515 50, 03, 0329 50, 03, 0625 50, 03, 0625 50, 03, 0545 50, 03, 0516 50, 03, 0525 50, 03, 0625 50, 03, 03, 0625 50, 03, 03, 03, 03, 03, 03, 03, 03, 03, 0	BC307B WP146 BC327 BC337-25 BC307B BC337-25 BC307B BC337B BC337 BC337 BC337 BC337 BC327 J112 10 kOhn 1	BC557B, BC560B PHP FET PHP PHP PHP PHP PHP PHP PHP PHP PHP PH	te I	R94 R95 R96 R97 R98 R99 R100 R101 R102 R103 R104 R103 R105 R106 R107 R108 R107 R108 R107 R108 R107 R108 R117 R118 R119 R120 R121 R121 R121 R123 R124 R125 R124 R125 R126 R127 R128 R128 R129 R129 R120 R121	\$7.11,3562 5.6 \$7.11,3101 100 \$7.11,3432 4.3 \$7.11,3432 4.3 \$7.11,3432 4.3 \$7.11,3432 4.3 \$7.11,3472 4.7 \$7.11,3103 100 \$7.11,3103 100 \$7.11,3104 100 \$7.11,3104 100 \$7.11,3104 100 \$7.11,3105 28.6 \$7.11,3105 28.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3105 29.6 \$7.11,3106 100 \$7.11,3106 100 \$7.11,3106 100 \$7.11,3106 100 \$7.11,3106 100 \$7.11,3106 100 \$7.11,3106 100 \$7.11,3106 100 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3106 39.6 \$7.11,3107 4.7	Ohn 2% 0.25% MF (Ohn 2% 0.25% MF (Ohn 27 0.25% MF (Ohn 27 0.25% MF (Ohn 28 0.25% MF	27.460.83 PAGE
. POS.NO. PAR	RT NO. VALUE	SPECIFICATIONS / EQUIVALENT HANU	. IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND. POS.NO.	PART NO. V	alue specifications / equivalen	т н
C76 S.9.06 C777 S.9.12 C78 S.9.12 C80 S.9.12 C81 S.9.12 C81 S.9.12 C81 S.9.12 C85 S.9.12 C86 S.9.12 C87 S.9.12 C89 S.9.12 C90 S.9.12 C91 S.9.12 C92 S.9.12 C93 S.9.12 C94 S.9.12 C95 S.9.12 C96 S.9.12 C96 S.9.12 C97 S.9.12 C98 S.9.12 C99 S.9.12 C100 S.9.12 C100	6.0224 220 nF 6.0224 220 nF 6.0224 220 nF 6.0224 220 nF 6.022 pF 6.023 pF 6.023 pF 6.024 pF 6.025 pF 6	10X 50V PETP 10X 50V PETP 10X 50V PETP 20X 30V PETP 20X 30V PETP 20X 30V PETP 20X 25V EL 10X 50V Car 2.5X 50V PP 2.6X 50V Car 2.6X 50V PP 2.6X 50V Car 10X 50V PETP 2.6X 50	IC . 23 IC . 24 IC . 25 IC . 26 IC . 26 IC . 27 J	50.07.0026 50.09.0105 50.09.0105 50.09.0105 50.07.0105 50.07.0105 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0304 54.01.0021 54.01.0021 54.01.0021 54.01.0021 54.01.0021 56.04.0143 62.01.0128 62.01.0128 62.01.0128 62.01.0128 62.01.0128 62.01.0128 54.01.0020 54.01.0020 54.01.0020 54.01.0020 54.01.0020 54.01.0020 54.01.0020	AD 7528JN NE 5529 RC 15259 RC 14053 NE 5532 4-Pole 10-Pole 4-Pole 4-Pole 4-Pole 4-Pole 4-Fole	Dual 8-bit D/A Converter Dual Op. Amp. 10p.	ADI Sig Rot Sig MP AMP AMP AMP AMP AMP AMP AMP AMP ST St St	R	57.11.3123 57.11.3222 57.11.3932 57.11.3932 57.11.3932 57.11.3932 57.11.303	12 kOhn 2.2 kOhn 4.3 kOhn 3.9 kOhn 4.3 kOhn 6.0 kOhn	22, 0, 259, MF		R	57.11.3103 10 10 57.11.3121 220 57.11.3121 220 57.11.3121 220 57.11.3121 220 57.11.3121 220 57.11.3121 220 57.11.3121 220 57.11.3121 220 57.11.3121 220 57.11.3121 23 3.3 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 22 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.3120 57.11.31320 57.	Ohn 22, 0,25%, MF Ohn 102, 0,5%, MF Ohn 22, 0,25%, MF	27.460.83 PAG

ND. POS.	NO. PART NO		SPECIFICATIONS /		MANUF.		POS.NO.	PART NO.		SPECIFICATIONS / EQUIV	ALENT MAI
R R R	175 57.11.3470	47 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				R285 R286 R287	57.11.3103 57.11.3339 57.11.3472	10 kOhm 3.3 Ohm 4.7 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
R R R	177 57.11.3680 178 57.11.3682	68 Ohm 6.8 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				R288 R289 R290	57.11.3103 57.11.3471 57.11.3391	10 kOhm 470 Ohm 390 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
R R	180 57.11.3100 181 57.99.0209	10 Ohm 5.6 Ohm	2%, 0.25W, MF PTC 2%, 0.25W, MF				R291 R292 R293	57.11.3152 57.92.1151 57.11.3180	1.5 kOhm 18 Ohm 18 Ohm	2%, 0.25%, MF 150mA, PTC 2%, 0.25%, MF	
R R	183 184	370 31111	not used not used not used				R294 R295 R296	57.11.3470 57.11.3223 57.11.3105	47 Ohm 22 kOhm 1 MOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
R R	186 57.11.3222 187 57.11.3222	2.2 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				R297	57.11.3472	4.7 kOhm	2%, 0.25W, MF	
R R	189 57.11.3682 190 57.11.3682	6.8 kOhm 6.8 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF				T2 T3	1.022.400.00 1.022.451.00 1.022.271.00	1:4 1:0.62	Mic Input Trafo Line Input Trafo Erase Trafo	9
R R	192 57.11.3682 193 57.11.3103	6.8 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF				T5 T6	1.022.272.00 1.022.402.00 1.022.355.00	1:10	Bias Trafo Sync Trafo Line Output Trafo	9
R R R	19 \$ 57.11.3681 196	1 MOhm 680 Ohm	2%, 0.25W, MF 2%, 0.25W, MF not used				TP1 TP2	54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8) 2
R R	198 57.11.3164 199 57.11.3164	160 kOhm	not used 2%, 0.25W, MF 2%, 0.25W, MF				TP3 TP4 TP5	54.02.0320 54.02.0320 54.02.0320		Plug 2.8+0.8 Plug 2.8+0.8 Plug 2.8+0.8	7 1 2
R R	201 57.11.3682 202 57.11.3682	6.8 kOhm 6.8 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF				TP6 TP7	54.02.0320 54.02.0320		Plug 2.8+0.8 Plug 2.8+0.8	P P
R R	204 205 57.11.3181	180 Ohm	2%, 0.25W, MF not used 2%, 0.25W, MF				W1 W2 W3	64.01.0106 64.01.0106 64.01.0106		Wire Bridge Wire Bridge Wire Bridge	
R R	207 57.11.3104 208 57.11.3683	100 k0hm 68 k0hm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				W5 W6	64.01.0106		not used Wire Bridge not used	
R	210 57.11.3333	33 k0hm	2%, 0.25W, MF 2%, 0.25W, MF				₩7 ₩8	64.01.0106 64.01.0106		Wire Bridge Wire Bridge	
TODER	(00) 89/07/03 G	h WADIO ELE	CTRONICS BOARD	PL 1.727.460.83	PAGE 13	STU	DER (C	00) 89/07/03 GP	AUDIO ELEC	TRONICS BOARD PL	1.727.460.83 PAGE
R2		VALUE 10 kOhm	SPECIFICATIONS / E		MANUF.	IND.	POS.NO.	PART NO. 53.03.0166	VALUE 8-Pole	SPECIFICATIONS / EQUIVA	ALENT MAN
R2 R2	12 57.11.3120 13 57.11.3560	12 Ohm 56 Ohm 100 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				XIC2 XIC3 XIC4	53.03.0166 53.03.0168 53.03.0166	8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket	
R2 R2	15 57.11.3682 16 57.11.3682	6.8 kOhm 6.8 kOhm 6.8 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				XIC5 XIC6 XIC7	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket	
R2 R2 R2	18 57.11.5155 19 57.11.3104	1.5 MOhm 100 kOhm 10 kOhm	5%, 0.25W, MF 2%, 0.25W, MF, ω 2%, 0.25W, MF	ith socket			XIC8	53.03.0168 53.03.0166	16-Pole 8-Pole	IC Socket IC Socket	
R2 R2 R2	21 22 57.11.3822	8.2 kOhm 47 kOhm	not used 2%, 0.25W, MF 2%, 0.25W, MF				XIC10 XIC11 XIC12	53.03.0166 53.03.0165 53.03.0168	8-Pole 20-Pole 16-Pole	IC Socket IC Socket IC Socket	
R2 R2	24 57.11.3682 25 57.11.3393	6.8 kOhm 39 kOhm 3.9 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				XIC13 XIC14 XIC15	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket	
R2 R2 R2	27 57.11.3563 28 57.11.3333	56 kOhm 33 kOhm 5.6 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				XIC16 XIC17 XIC18 XIC19	53.03.0168 53.03.0168 53.03.0168 53.03.0166	16-Pole 16-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
R2 R2 R2	30 57.11.3683 31 57.11.3562	68 kOhm 5.6 kOhm 33 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				XIC20 XIC21	53.03.0166 53.03.0166	8-Pole 8-Pole	IC Socket IC Socket	
R2 R2 R2	33 57.11.3103 34 57.11.3271	10 kOhm 270 Ohm 27 kOhm	2%, 0.25W, MF 2 % 0.25W, MF 2%, 0.25W, MF				XIC22 XIC23 XIC24	53.03.0166 53.03.0165 53.03.0166 53.03.0166	8-Pole 20-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket	
R2 R2 R2	36 57.11.3152 37 57.11.3331	1.5 kOhm 330 Ohm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				XIC25 XIC26 XIC27	53.03.0168 53.03.0166	16-Pole 8-Pole	IC Socket IC Socket IC Socket	
R2 R2 R2	39 57.11.3103 40 57.11.3102	10 kOhm 1 kOhm	2%, 0.25%, MF 2%, 0.25%, MF not used								
R2 R2 R2	42 57.11.3472 43 57.11.3473	4.7 kOhm 47 kOhm 1 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF								
R2 R2 R2	45 57.11.3222 46 58.01.8502	2.2 kOhm 5 kOhm 820 Ohm	2%, 0.25W, MF 10%, 0.5 W, PMG 2%, 0.25W, MF								
	(00) 89/07/03 G			PL 1.727.460.83	PAGE 14	STU	DER (O	0) 89/07/03 GP	AUDIO ELEC	TRONICS BOARD PL	1.727.460.83 PAGE
. POS.N	D. PART NO.	VALUE	SPECIFICATIONS / E	QUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVA	ALENT MAN
		3.9 kOhm 15 kOhm	2%, 0.25W, MF not used 2%, 0.25W, MF			Note 1	Variabl	e Phantom Suppl	r		
R2 R2 R2	50 57.11.3153							DOC NO 1 D	ART NO. :	VALUE	
R2 R2 R2 R2 R2	50 57.11.3153 51 57.11.3473 52 57.11.3472 53 57.11.3472	47 kOhm 4.7 kOhm 4.7 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF				;				(F
R2 R2 R2 R2	50 57.11.3153 51 57.11.3473 52 57.11.3472 53 57.11.3472 54 57.11.3331 55 57.11.3102	47 kOhm 4.7 kOhm	2%, 0.25W, NF 2%, 0.25W, NF 2%, 0.25W, NF 2%, 0.25W, NF 2%, 0.25W, NF				48 24	R 3 / R 4 : 5	7990250 : 6	.8 kOhm 0.1 % 0.25 W 1 .3 kOhm 0.1 % 0.25 W 1 80 Ohm 0.1 % 0.25 W 1	1F
R2 R2 R2 R2 R2 R2	50 57.11.3153 51 57.11.3473 52 57.11.3472 53 57.11.3472 54 57.11.3931 55 57.11.3102 56 57.11.3102 57 57.11.3102 57 57.11.3102	47 kOhm 4.7 kOhm 4.7 kOhm 390 Ohm 1 kOhm	2%, 0.25W, MF 2%, 0.25W, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electren MF = Metal :	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI	B kOhm 0.1 % 0.25 W P .3 kOhm 0.1 % 0.25 W P BO Ohm 0.1 % 0.25 W P P = Polyester = Silicon	1F
R2 R2 R2 R2 R2 R2 R2 R2 R2	50 57.11.3153 51 57.11.3472 52 57.11.3472 53 57.11.3472 64 57.11.3331 55 57.11.3102 56 57.11.3102 57 57.11.3102 58 57.11.3103 59 57.11.3103 50 57.11.322 51 57.11.322	47 kOhm 4.7 kOhm 4.7 kOhm 390 Ohm 1 kOhm 1 kOhm 470 Ohm 220 Ohm 1.2 kOhm 470 Ohm	2X. 0.25%, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 ! 5 R 3 / R 4 ! 5 R 3 / R 4 ! 5	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI	B kOhm 0.1 % 0.25 W P .3 kOhm 0.1 % 0.25 W P BO Ohm 0.1 % 0.25 W P P = Polyester = Silicon Not = Motorola	1F
R	50 57.11.3153 51 57.11.3473 52 57.11.3472 53 57.11.3472 54 57.11.3472 55 57.11.3102 56 57.11.3102 57 57.11.3102 58 57.11.3103 50 57.11.3103 50 57.11.3123 51 57.11.3123 52 57.11.3123 54 57.11.3223 54 57.11.3223 55 57.11.3223	47 kOhm 4.7 kOhm 4.7 kOhm 390 Ohm 1 kOhm 27 kOhm 10 kOhm 20 Ohm 10 kOhm 220 Ohm 1.2 kOhm 1.2 kOhm 220 kOhm 2.2 kOhm 2.2 kOhm 3.2 kOhm 3.2 kOhm 3.2 kOhm 3.2 kOhm 4.7 kOhm	2X, 0.25W, MF 2X, 0.25W, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI		1F
R	50 57.11.3153 51 57.11.3472 52 57.11.3472 53 57.11.3472 54 55 57.11.3472 55 57.11.3273 57 57.11.3102 58 57.11.3102 59 57.11.3102 50 57.11.3102 51 57.11.3102 52 57.11.3102 53 57.11.3102 54 57.11.3102 55 57.11.3103 56 57.11.3103 57 57.11.3103	47 kOhm 4.7 kOhm 4.7 kOhm 390 Ohm 1 kOhm 27 kOhm 10 kOhm 20 Ohm 220 Ohm 470 Ohm 470 Ohm 222 kOhm 470 kOhm 2.2 kOhm 4.7 kOhm 1.0 kOhm 6.8 kOhm	2x, 0.259, MF 2x, 0.259, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI		1F
R 2 2 R 2 R 2 2 R 2 R 2 2 R 2 R 2 2 R 2 R 2 2 R 2 R 2 2 R 2 R 2 2 R 2	50 57.11.3153 51 57.11.3473 52 57.11.3472 53 57.11.3472 54 57.11.3472 55 57.11.3102 55 57.11.3102 56 57.11.3103 57 57.11.3103 58 57.11.3103 57 11.3103 57 11.3103 57 11.3103 57 11.3103 57 11.3103 57 11.3103 57 57.11.3103 57 57.11.3103 58 57.11.3103 59 57.11.3103 50 57.11.3103 50 57.11.3103 50 57.11.3103 50 57.11.3103 50 57.11.3103	47 kOha 4.7 kOha 4.7 kOha 3.9 kOha 1.8 kOha 1.2 kOha 1.0 kOha 1.0 kOha 1.2 kOha 1.2 kOha 1.2 kOha 1.2 kOha 2.2 kOha 4.7 kOha 1.6 kOha 6.8 kOha 1.0 kOha 6.8 kOha 1.0 kOha 1.1 kOha 4.7 kOha 4.7 kOha 4.7 kOha 4.7 kOha 4.7 kOha 1.8 kOha 1.9	2X, 0.25W, MF 2X, 0.25W, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI		1F
R	50 57.11.3153 51 57.11.3473 52 57.11.3472 55 57.11.3472 56 57.11.3472 57 57.11.3472 57 57.11.3273 58 57.11.3273 59 57.11.3273 50 57.11.3273 51 57.11.3273 53 57.11.3273 55 57.11.3273 57 57.11.3273	47 kOha 4.7 kOha 4.7 kOha 330 Oha 1 kOha 70 kOha 1	2X, 0.25W, MF 2X, 0.25W, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI		1F
R	50 57.11.3153 51 57.11.3472 52 57.11.3472 53 57.11.3472 54 57.11.3472 55 57.11.3472 56 57.11.3273 57 57.11.3103 56 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103 57 57.11.3103	47 kOha 4.7 kOha 4.7 kOha 330 Oha 1 kOha 27 kOha 10 kOha 11 kOha 11 kOha 12 kOha 10 kOha 11 kO	2X, 0.25W, MF 2X, 0.25W, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI		1F
R	50 57.11.3153 51 57.11.3153 52 57.11.3472 53 57.11.3472 55 57.11.3472 55 57.11.3102 55 57.11.3102 56 57.11.3102 57 77.11.3102 57 77.11.3102 57 77.11.3102 57 77.11.3102 57 77.11.3103 57 77.11.3103 57 77.11.3103 57 77.11.3103 57 77.11.3103 57 77.11.3103 57 77.11.3103 57 77.11.3103 57 77.11.3103	47 kOha 4.7 kOha 4.7 kOha 330 Oha 1 kOha 1 kOha 10 kOha 11 kOha 11 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 18 kOha 19 kOha 10 kOha 10 kOha 11 kOha 11 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 18 kOha 19 kOha 10 kOha 10 kOha 10 kOha 11 kOha 11 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 18 kOha 19 kOha 19 kOha 10 kOh	2X, 0.25W, MF 2X, 0.25W, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI		1F
R	50 57.11.3153 51 57.11.3473 52 57.11.3472 53 57.11.3472 54 57.11.3472 55 57.11.3472 56 57.11.3472 57 57.11.3273 58 57.11.3273 58 57.11.3273 57.11.3223 57.11.3223 57.11.3233 57.11.3233 57.11.3233 57.11.3233 57.11.3233 57.11.3233 57.11.3233	47 kOha 4.7 kOha 4.7 kOha 300 Oha 12 kOha 12 kOha 10 kOha 1	2X, 0.25W, MF 2X, 0.25W, MF			PP =	48 : 24 : 12 : Ceramic Polypropyl CTURER: AD	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 7990199 : 6 olytic PET Film SI		1F
R	50 57.11.3153 51 57.11.3472 52 57.11.3472 53 57.11.3472 55 57.11.3472 55 57.11.3472 56 57.11.3273 57 57.11.3102 58 57.11.3102 59 57.11.3102 59 57.11.3102 50 57.11.3102 51.13.223 57.11.3221 57.11.3221 57.11.3222 57.11.3223	47 kOha 4.7 kOha 4.7 kOha 330 Oha 330 Oha 27 kOha 470 Oha 470 Oha 10 kOha 10 kOha 12 kOha 47 kOha 10 kOha 10 kOha 47 kOha 10 kOha 10 kOha 10 kOha 10 kOha 11 kOha 12 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 19 kOha 10 kOha 10 kOha 11 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 19 kOha 10 kOha 10 kOha 11 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 19 kOha 10 kOha 10 kOha 10 kOha 10 kOha 11 kOha 12 kOha 13 kOha 14 kOha 15 kOha 16 kOha 17 kOha 18 kOha 19 kOha 10 kOha	2X, 0.25W, MF	PL 1.727.460.83		PP = MANUFA	48 : 24 : 24 : 12 : Ceramic Polypropyla CTURER: Ab Si	R 3 / R 4 : 5 R 3 / R 4 : 5 R 3 / R 4 : 5 EL = Electr en MF = Metal : El = Analog Devi = National Se:	7990250 : 6 : 4 : 7990199 : 6 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	8 kOhm 0.1 % 0.25 W 1 1.3 kOhm 0.1 % 0.25 W 1 90 Ohm 0.1 % 0.25 W 1 P = Polyester = Silicon Mot = Motorola Ra = Raytheon St = Studer	1F

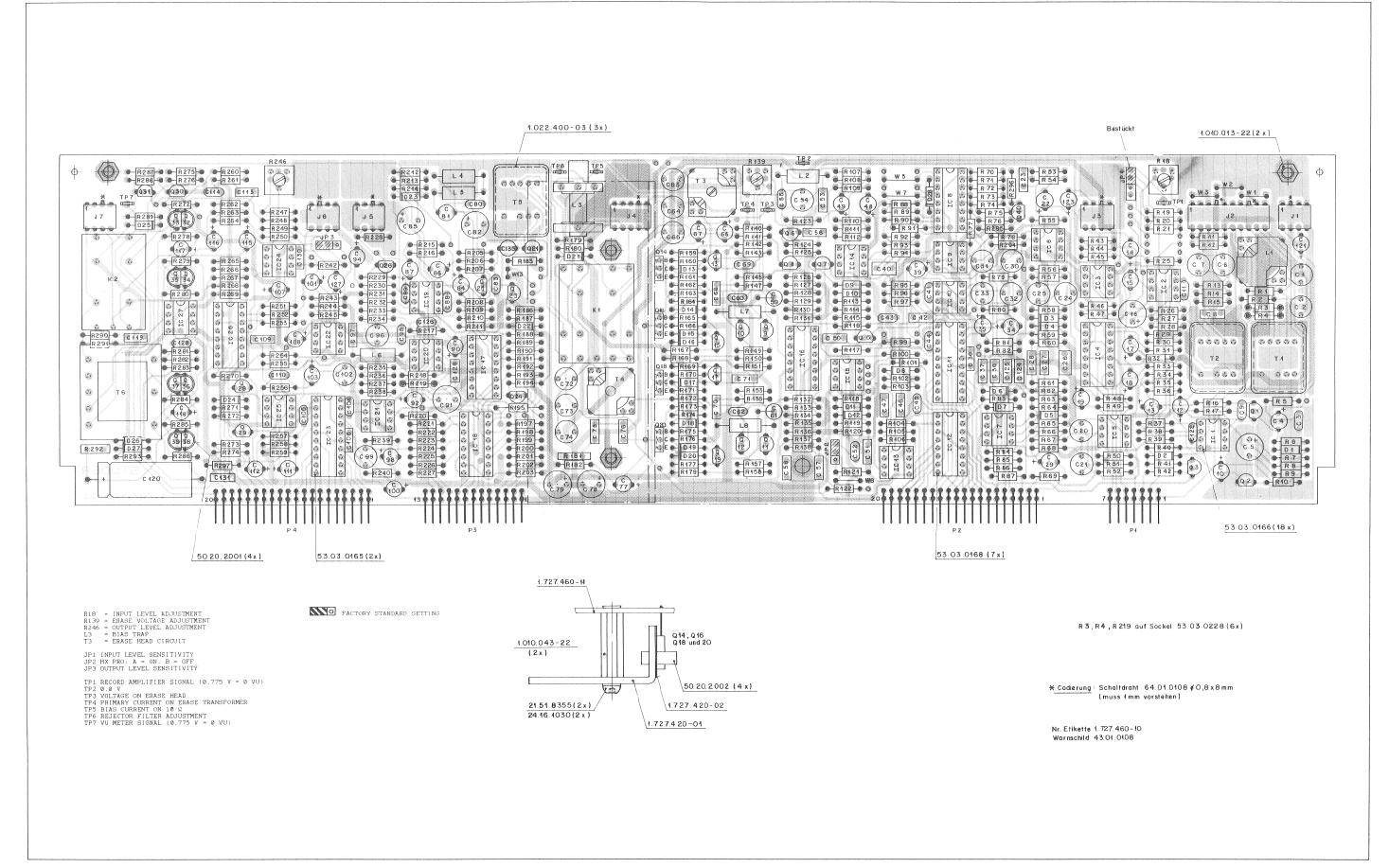
AUDIO ELECTRONICS BOARD 2VU 1.727.460.84 -AUDIO ELECTRONICS BOARD 2VU HS 1.727.469.82



AUDIO ELECTRONICS BOARD 2VU 1.727.460.84 -AUDIO ELECTRONICS BOARD 2VU HS 1.727.469.82

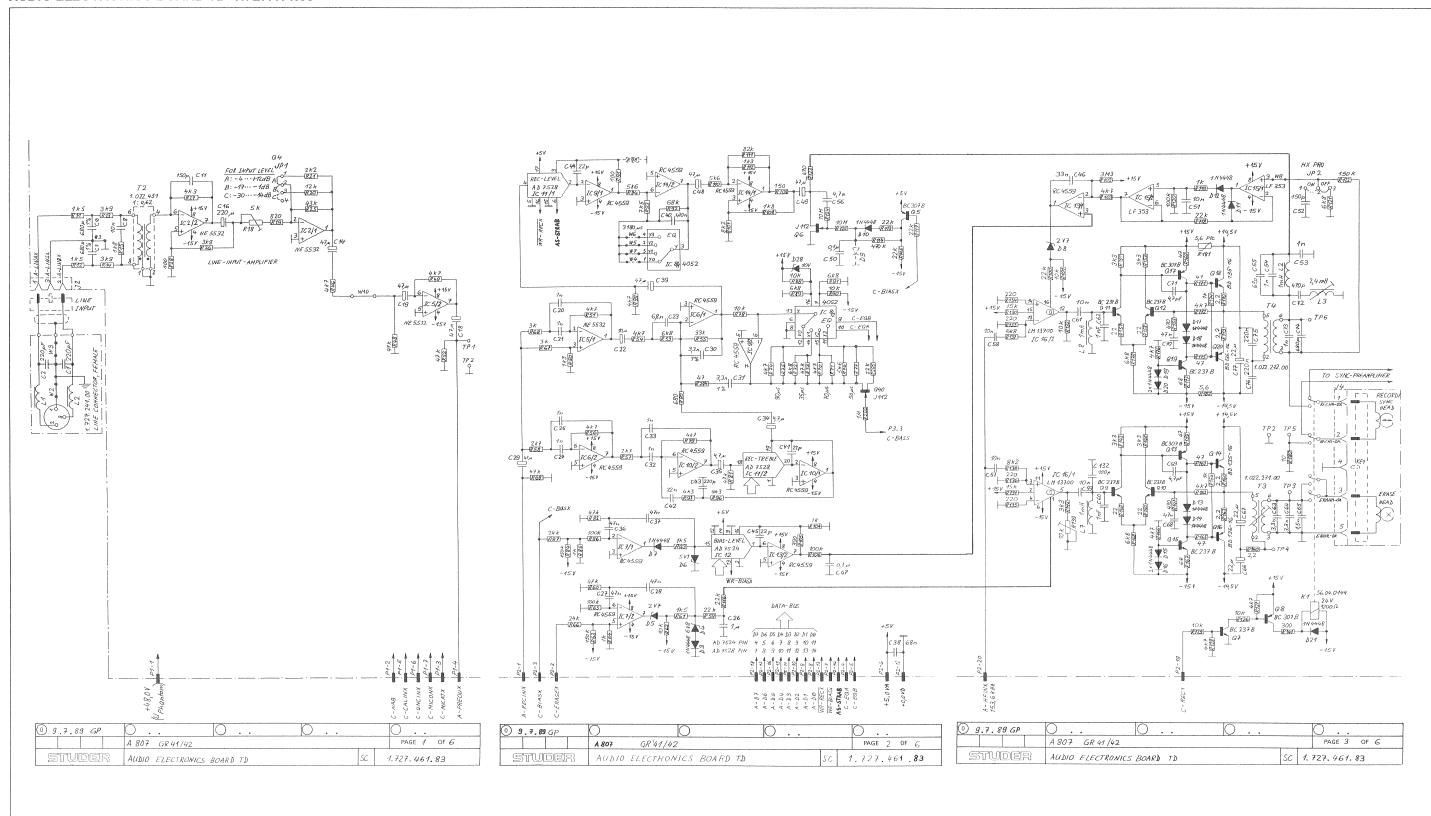


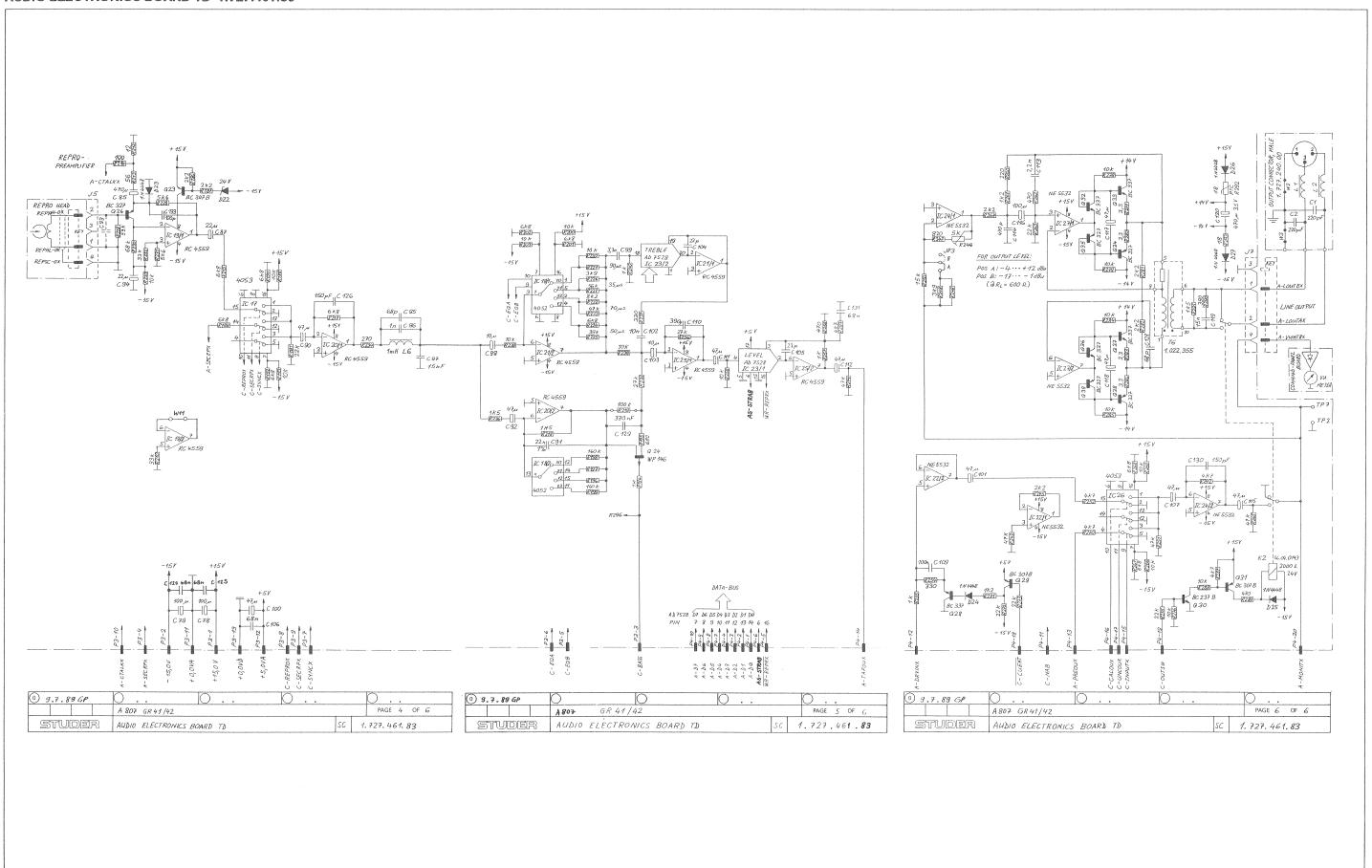
AUDIO ELECTRONICS BOARD 2VU 1.727.460.84 -AUDIO ELECTRONICS BOARD 2VU HS 1.727.469.82

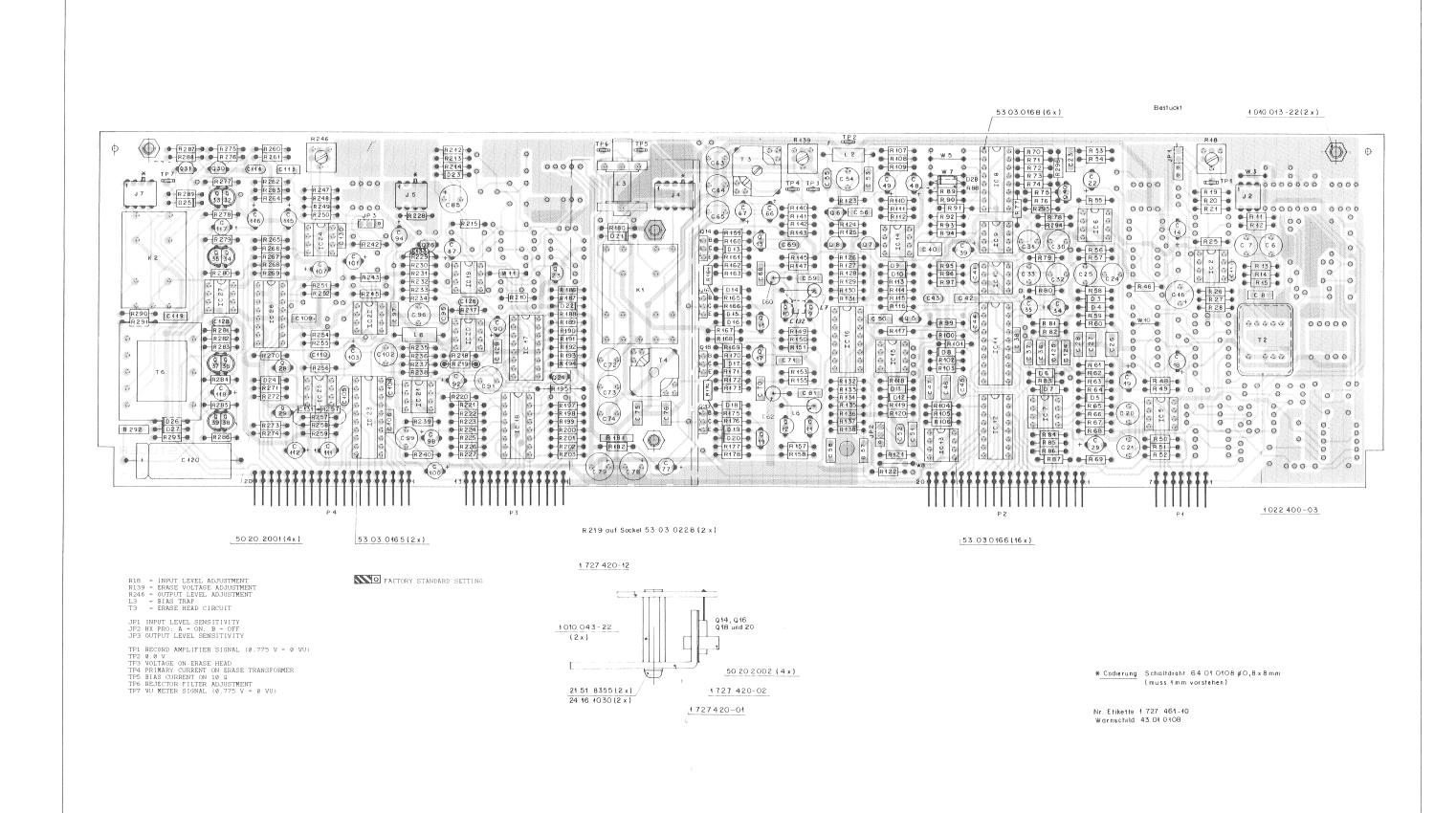


ND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF	IND. POS.MO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MAI
C1 59.05.1102 1 nF 1% 500 PP C2 59.05.1102 1 nF 1% 500 PP C3 59.34.4271 270 pF 10% 500 PP C4 59.22.8479 4.7 uF -20% 355 EL C5 59.32.2471 470 uF -20% 6.33 EL C6 59.32.2471 470 uF -20% 6.33 EL C6 59.32.2471 470 uF -20% 6.33 EL C6 59.32.2471 470 uF -20% 50.37 EL C6 59.32.2471 470 uF -20% 50.37 EL C7 59.06.661 660 FP 1. 500 PP C7 95.34.4680 68 pF 10% 500 PP C9 59.34.4680 68 pF 10% 500 PP C10 59.32.5220 22 uF -20% 25V EL C11 59.34.4511 150 pF 10% 500 Cer C12 59.25.5220 22 uF -20% 25V EL C13 59.22.5220 22 uF -20% 25V EL C16 59.22.5220 22 uF -20% 20% EL C17 59.34.451 150 pF 10% 500 Ver C18 59.22.3470 47 uF -20% 10V EL C16 59.22.2470 47 uF -20% 10V EL C17 59.32.3470 47 uF -20% 10V EL C18 59.22.3470 47 uF -20% 10V EL C18 59.22.3470 47 uF -20% 10V EL C19 59.26.3470 47 uF -20% 10V EL C19 59.26.3470 47 uF -20% 10V EL C19 59.22.3470 47 uF -20% 10V EL C24 59.05.202 1 nF -20% 10V EL C25 59.06.6682 6.8 nF 5% 50V PF C25 59.06.6682 6.8 nF 5% 50V PF C25 59.06.6673 47 uF -20% 50V PF C25 59.06.6473 47 uF -20% 50V PF C26 59.06.6473 47 uF -20% 10V EL C31 59.05.2102 1 nF 2.5% 50V PF C25 59.06.6473 47 uF -20% 50V PF C26 59.06.6473 47 uF -20% 50V PF C27 59.06.6473 47 uF -20% 50V PF C31 59.06.6473 47 uF -20% 50V PF C32 59.06.6473 47 uF -20% 50V PF C33 59.06.6473 47 uF -20% 50V PF C35 59.06.6473 47 uF -20% 50V PF C36 59.06.0473 47 uF -20% 35V EL C37 59.06.0473 47 uF -20% 50V PF C38 59.06.0473 47 uF -20% 50V PF C39 59.06.0473 47 uF -20% 50V PF C30 59.06.0473 47 uF -20% 50V PF C31 59.05.1332 3.3 nF 1% 50V PF C32 59.06.0473 47 uF -20% 35V EL C36 59.06.0473 47 uF -20% 35V EL C37 59.06.0473 47 uF -20% 35V EL C38 59.06.0473 47 uF -20% 35V EL C39 59.06.0473 47 uF -20% 35V EL C30 59.06.0473 47 uF -20% 35V EL C31 59.06.0473 47 uF -20% 35V EL C32 59.06.0473 47 uF -20% 35V EL C34 59.06.0473 47 uF -20% 35V EL C37 59.06.0473 47 uF	C112 59.22.3470 47 uF -20X 10V EL C113 59.06.022 2.2 nF 10X 50V PETP C114 59.34.5471 470 pF 10X 50V Cer C115 59.22.3470 47 uF -20X 10V EL C116 59.22.3470 47 uF -20X 10V EL C116 59.22.3470 47 uF -20X 10V EL C117 59.22.3470 47 uF -20X 10V EL C118 59.22.3470 47 uF -20X 10V EL C119 59.06.0153 15 nF 10X 50V PETP C121 59.22.3470 47 uF -20X 35V EL C121 59.22.3470 47 uF -20X 35V EL C122 59.25.471 470 uF -20X 35V EL C121 59.22.8479 4.7 uF -20X 35V EL C122 59.34.4680 460 47 uF 10X 50V PETP C123 59.22.6489 4.7 uF -20X 35V EL C125 59.34.4680 660 660 uF 10X 50V PETP C126 59.34.4151 150 uF 10X 50V PETP C127 59.22.8479 4.7 uF -20X 35V EL C128 59.36.60.683 660 uF 10X 50V PETP C128 59.34.4680 660 uF 10X 50V PETP C129 59.34.4680 660 uF 10X 50V PETP C129 59.34.4680 660 uF 10X 50V PETP C121 59.22.8479 4.7 uF -20X 35V EL C125 59.34.4680 660 uF 10X 50V PETP C126 59.34.4151 150 uF 10X 50V PETP C127 59.22.8479 4.7 uF -20X 35V EL C128 59.36.4083 350 uF 5X 50V PETP C129 59.06.5334 350 uF 5X 50V PETP C135 59.22.3101 100 uF -20X 10V EL D1 50.04.0125 1N4448 50V SI	MP9 1.727.400.02 l pce	R 59
D. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HAN
C38	D16	024 50.03.0329 WP146 FET Met 025 50.03.0625 BC327 PNP 026 50.03.0625 BC327 PNP 028 50.03.0340 BC337-25 PNP 029 50.03.0515 BC307B BC557B, BC560B NPN 030 50.03.0436 BC237B BC557B, BC560B NPN 031 50.03.0515 BC307B BC557B, BC560B NPN 033 50.03.0516 BC337 matched with 033 NPN 034 50.03.0516 BC337 matched with 033 NPN 035 50.03.0625 BC327 matched with 034 PNP 036 50.03.0625 BC327 matched with 034 PNP 037 50.03.0625 BC327 matched with 034 PNP 037 50.03.0625 BC327 matched with 035 PNP 039 50.03.0625 BC327 matched with 035 PNP 039 50.03.0625 BC327 matched with 036 NPN 039 50.03.0625 BC327 matched with 037 PNP 039 50.03.0625 BC327 matched with 038 NPN 030 57.99.0250 6.8 kOhm 0.1% 0.259% NF WITH WATCHED NOT	R95 57.11.3101 100 Ohn 2%, 0.25%, MF R96 57.11.3432 4.3 kOhn 2%, 0.25%, MF R97 57.11.3432 4.3 kOhn 2%, 0.25%, MF R98
ID. POS.NG. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HAN
C75 59.06.0224 220 nF 10X 50V PETF C76 59.06.0224 220 nF 10X 50V PETF C77 59.22.6220 22 nF 20X 35V EL C78 59.22.5101 100 uF -20X 25V EL C79 59.22.5101 100 uF -20X 25V EL C81 59.44.680 80 pF 10X 50V PETF C82 59.42.221 220 nF 20X 35V EL C83 59.34.4101 100 pF 10X 50V Cer C83 59.34.4101 100 pF 10X 50V Cer C86 59.22.221 220 nF -20X 25V EL C86 59.22.221 220 nF -20X 25V EL C87 59.22.5220 22 uF -20X 25V EL C88 59.34.4101 100 pF 10X 50V Cer C89 59.34.4101 100 pF 20X 25V EL C89 59.34.4101 100 pF 50X 50V Cer C89 59.34.4101 100 pF 50X 50V Cer C95 59.34.4101 100 pF 50X 50V Cer C96 59.35.223 22 uF -20X 25V EL C89 59.34.4400 100 pF 50X 50V Cer C90 59.34.4401 100 pF 50X 50V Cer C91 59.34.4401 100 pF 50X 50V Cer C92 59.34.400 68 pF 10X 50V Cer C93 59.22.5220 22 uF -20X 25V EL C94 59.35.223 120 nF 10X 50V Cer C95 59.34.400 68 pF 10X 50V Cer C96 59.55.200 10 uF 20X 10V 5AL C96 59.55.200 10 uF 20X 10V 5AL C96 59.22.320 10 uF 20X 10V 5AL C97 59.06.013 15 nF 10X 50V Cer C99 59.32.200 10 uF 20X 10V EL C96 59.32.2470 47 F 20X 50V PFT C97 59.06.013 15 nF 10X 50V Cer C97 59.32.3470 47 F 20X 10V EL C101 59.32.3470 47 F 20X 10V EL C101 59.32.3470 47 uF -20X 10V EL C101 59.34.3231 390 pF 10X 50V Cer C101 59.32.3470 47 uF -20X 10V EL C101 59.34.3231 390 pF 10X 50V Cer C101 59.34.3231 390 pF 10X 50V Cer C101 59.34.3231 390 pF 10X 50V Cer C101 59.32.3470 47 uF -20X 10V EL C101 59.32.3470 47 uF -20X 10V EL C101 59.32.3470 47 uF -20X 10V EL C101 59.32.3470 47	IC24 50.09.0105 NE 5532 Dual Op. Amp. Sig IC25 50.09.0107 NC 4559 Dual Op. Amp. Ra IC26 50.07.0015 NC 4559 Dual Op. Amp. Ra IC27 50.09.0105 NC 10533 CMOS Analog Switch Moto IC27 50.09.0105 NC 5532 Dual Op. Amp. Sig J1 54.01.0304 4-Pole CIS Socket Strip AMP J2 54.01.0307 10-Pole CIS Socket Strip AMP J4 54.01.0305 5-Pole CIS Socket Strip AMP J5 54.01.0304 4-Pole CIS Socket Strip AMP J5 54.01.0304 4-Pole CIS Socket Strip AMP J6 54.01.0304 4-Pole CIS Socket Strip AMP J7 54.01.0304 4-Pole CIS Socket Strip AMP J7 54.01.0304 4-Pole CIS Socket Strip AMP J7 55.04.01.0304 4-Pole CIS Socket Strip AMP J7 56.04.0104 4-Pole CIS Socket Strip AMP JP1 54.01.0021 Bridge JP2 55.04.01.0021 Bridge JP3 54.01.0021 Bridge JR3 54.01.0021 Bridge JR3 54.01.0021 Bridge L1 1.022.169.00 213mH L1 1.022.169.00 213mH L3 1.177.231.00 2.4mH L3 1.177.231.00 2.4mH L3 62.01.0128 ImH L5 62.01.0128 ImH L5 62.01.0128 ImH L7 62.01.0128 ImH L7 62.01.0128 ImH L8 62.01.0128 ImH L8 62.01.0128 ImH L8 62.01.0128 ImH L8 62.01.0128 ImH L9 54.01.0020 3 pos Contact Pin JP1 MP1 54.01.0020 3 pos Contact Pin JP2 MP3 54.01.0020 3 pos Contact Pin JP3 MP4 4 1.010.043.22 2 pos Rivet Not M3A20 MP5 4.51.030 2 pos Governor M3A20 MP7 50.02.0201 4 pos Contact Pin JP3 MP8 1.727.420.01 1 pos Heatsink St ST V D E R (01) 90/09/25 GP AUDIO ELECTRONICS BOARD PL 1.727.460.84 PAGE	R21 57.11.3222 2.2 k0hm 2X, 0.25W, MF R22	R132 57.11.3103 10 k0he 2% 0.25% NF R133 57.11.3221 220 Ohe 2% 0.25% NF R134 57.11.3221 220 Ohe 2% 0.25% NF R135 57.11.3221 220 Ohe 2% 0.25% NF R136 57.11.3221 220 Ohe 2% 0.25% NF R137 57.11.360% Ohe 2% 0.25% NF R138 57.11.360% Ohe 2% 0.25% NF R140 57.11.360% Ohe 2% 0.25% NF R140 57.11.3220 2.5 k0he 10% 0.25% NF R140 57.11.3220 2.0 Ohe 2% 0.25% NF R141 57.11.3301 300 Ohe 2% 0.25% NF R142 57.11.3323 3.3 k0he 2% 0.25% NF R143 57.11.3323 3.3 k0he 2% 0.25% NF R144 57.11.3320 3.3 k0he 2% 0.25% NF R145 57.11.3322 3.3 k0he 2% 0.25% NF R147 57.11.3471 470 Ohe 2% 0.25% NF R148 57.11.3323 3.3 k0he 2% 0.25% NF R149 57.11.3220 20 Ohe 2% 0.25% NF R151 57.11.3220 20 Ohe 2% 0.25% NF R151 57.11.3322 3.3 k0he 2% 0.25% NF R151 57.11.3322 3.3 k0he 2% 0.25% NF R151 57.11.3220 20 Ohe 2% 0.25% NF R151 57.11.3322 3.3 k0he 2% 0.25% NF R152 57.11.3471 470 Ohe 2% 0.25% NF R153 57.11.3220 20 Ohe 2% 0.25% NF R155 57.11.3472 47 Ohe 2% 0.25% NF R156 57.11.3472 47 Ohe 2% 0.25% NF R157 57.11.3472 47 Ohe 2% 0.25% NF R158 57.11.3472 47 Ohe 2% 0.25% NF R159 57.11.3472 47 Ohe 2% 0.25% NF R160 57.11.3472 47 Ohe 2% 0.25% NF R160 57.11.3472 47 Ohe 2% 0.25% NF R160 57.11.3472 47 Ohe 2% 0.25% NF R161 57.11.3472 47 Ohe 2% 0.25% NF

IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.		POS.NO.	PART NO.		SPECIFICATIONS		MANUF.
R175 R177 R177 R178 R180 R181 R182 R182 R184 R185 R185	57.11.3470 57.11.3472 57.11.3680 57.11.3682 57.11.3473 57.11.3100 57.99.0209 57.11.3569 57.11.3105	47 Ohm 4.7 kOhm 68 Ohm 6.8 kOhm 47 kOhm 10 Ohm 5.6 Ohm 1 MOhm	2X, 0.25W, MP 2X, 0.25W, MF 2X, 0.25W, MF not used not used 2X, 0.25W, MF			R286 R287 R288 R299 R291 R292 R293 R294 R295 R295	57.11.3339 57.11.3472 57.11.3103 57.11.3471 57.11.391 57.11.3152 57.92.1151 57.11.3180 57.11.3470 57.11.3223 57.11.325	3.3 Ohm 4.7 kOhm 10 kOhm 470 Ohm 390 Ohm 1.5 kOhm 18 Ohm 18 Ohm 47 Ohm 42 kOhm 1 MOhm	2%, 0.25%, MF 150mA, PTC 2%, 0.25%, MF		
R187 R188 R189 R190 R191 R192 R193 R194 R195	57.11.3222 57.11.3103 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3103 57.11.3103	2.2 kOhm 10 kOhm 6.8 kOhm 6.8 kOhm 22 kOhm 6.8 kOhm 10 kOhm 1 MOhm	2%, 0.25%, MF 2%, 0.25%, MF			T1 T2 T3 T4 T5	57.11.3472 1.022.400.00 1.022.451.00 1.022.271.00 1.022.272.00 1.022.402.00 1.022.355.00	4.7 kOhm 1:4 1:0.62	2%, 0.25%, MF Mic Input Tra Line Input Tra Erase Trafo Bias Trafo Sync Trafo Line Output Tra	ıfo	St St St St St
R195 R197 R198 R199 R200 R201 R202 R203 R204	57.11.3681 57.11.3224 57.11.3224 57.11.3103 57.11.3682 57.11.3682 57.11.3103	220 kOhm 220 kOhm 10 kOhm 6.8 kOhm 6.8 kOhm 10 kOhm	2%, 0.25W, MF not used 10t used 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF not used			TP1 TP2 TP3 TP4 TP5 TP6 TP7	54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320 64.01.0106 64.01.0106		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Wire Bridge Wire Bridge		AMP AMP AMP AMP AMP AMP
R205 R206 R207 R208 R209 R210 R211	57.11.3181 57.11.3562 57.11.3104 57.11.3683 57.11.3333 57.11.3333 57.11.3333 57.11.3103	180 Ohm 5.6 kOhm 100 kOhm 68 kOhm 33 kOhm 93 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF	460.84 PAGE 13	STU	W3 W4 W5 W6 W7 W8	64.01.0106 64.01.0106 64.01.0106 64.01.0106 1.010.329.64	AUDIO ELEC	Wire Bridge not used Wire Bridge not used Wire Bridge Wire Bridge Wire Bridge	PL 1.727.460.8	1 PACF 16
										10 1112/110010	, THOE TO
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /		MANUF.
R	57.11.3120 57.11.3560 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.394 57.11.3104 57.11.3103	12 Ohm 56 Ohm 100 Ohm 6.8 kOhm 6.8 kOhm 6.8 kOhm 100 kOhm 100 kOhm 8.2 kOhm	2% 0.25W, MF 2% 0.25W, MF 2% 0.25W, MF 2% 0.25W, MF 2% 0.25W, MF 2% 0.25W, MF 5% 0.25W, MF 2% 0.25W, MF 2% 0.25W, MF 2% 0.25W, MF		(00) (01) (00) (01)	XIC1 XIC2 XIC3 XIC4 XIC5 XIC6 XIC6 XIC7 XIC8 XIC9	53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 16-Pole 8-Pole 8-Pole 8-Pole 8-Pole 8-Pole 8-Pole 8-Pole	IC Socket		
R	57.11.3473 57.11.3682 57.11.3393 57.11.3363 57.11.3563 57.11.3562 57.11.3562 57.11.3562 57.11.3562 57.11.3563 57.11.3563 57.11.3303 57.11.3103	47 kOhm 6.8 kOhm 39 kOhm 3.9 kOhm 5.6 kOhm 5.6 kOhm 5.6 kOhm 5.6 kOhm 33 kOhm 68 kOhm 33 kOhm 30 kOhm 370 kOhm	2%. 0.25%. MF 2%. 0.25%. MF			XIC10 XIC11 XIC12 XIC13 XIC14 XIC15 XIC16 XIC17 XIC18 XIC19 XIC19 XIC20 XIC21	53.03.0166 53.03.0165 53.03.0168 53.03.0166 53.03.0166 53.03.0168 53.03.0168 53.03.0168 53.03.0166 53.03.0166 53.03.0166	8-Pole 20-Pole 16-Pole 8-Pole 8-Pole 8-Pole 16-Pole 16-Pole 8-Pole 8-Pole 8-Pole	IC Socket		
R 235 R 235 R 237 R 238 R 239 R 240 R 241 R 242 R 243 R 244 R 245 R 245	57.11.3273 57.11.3152 57.11.3331 57.11.3103 57.11.3103 57.11.3102 57.11.3472 57.11.3473 57.11.3102 57.11.3222 58.01.8502	27 kOhm 1.5 kOhm 330 Ohm 10 kOhm 10 kOhm 1 kOhm 4.7 kOhm 4.7 kOhm 1 kOhm 2.2 kOhm 5 kOhm	2%. 0.25W, MF			XIC22 XIC23 XIC24 XIC25 XIC26 XIC27	53.03.0166 53.03.0165 53.03.0166 53.03.0166 53.03.0168 53.03.0166	8-Pole 20-Pole 8-Pole 8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket IC Socket IC Socket		
R247 R248 STUDER (01	57.11.3821 57.11.3392) 90/09/25 GP	3.9 kOhm	ZX, 0.25W, MF ZX, 0.25W, MF TRONICS BOARD PL 1.727.4	160.84 PAGE 14	STU	DER (C	01) 90/09/25 GP	AUDIO ELEC	TRONICS BOARD	PL 1.727.460.84	PAGE 17
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MANUF
R 249 R 250 R 251 R 252 R 253 R 254 R 256 R 256 R 256 R 257 R 258 R 259 R 259	57.11.3153 57.11.3472 57.11.3472 57.11.3472 57.11.3331 57.11.3102 57.11.3102 57.11.3102 57.11.3103 57.11.3471 57.11.3103	15 kOhm 47 kOhm 4.7 kOhm 4.7 kOhm 330 Ohm 1 kOhm 27 kOhm 1 kOhm 470 Ohm 10 kOhm	not used 2x. 0.25w, MF		Cer = PP =	U (V) 		7990250 6 7990199 6	.8 kOhm 0.1 % 0. 3 kOhm 0.1 % 0. 80 Ohm 0.1 % 0. P = Polyester = Silicon	25 W MF 25 W MF	
R 261 R 262 R 263 R 264 R 265 R 266 R 267 R 268 R 269 R 270 R 271	57.11.3122 57.11.3471 57.11.3223 57.11.3222 57.11.3473 57.11.3682 57.11.3682 57.11.3682 57.11.3103 57.11.3472 57.11.3122 57.11.3122	1.2 kOhm 470 Ohm 22 kOhm 2.2 kOhm 47 kOhm 6.8 kOhm 6.8 kOhm 10 kOhm 10 kOhm 1.2 kOhm	2%. 0.25%. MF 2%. 0.25%. MF			NS	5 = National Se ig = Signetics	miconductors	Mot = Motorola Ra = Raytheor St = Studer		
R. 273 R. 274 R. 275 R. 276 R. 276 R. 277 R. 279 R. 279 R. 281 R. 282 R. 283	57.11.3223 57.11.3473 57.11.3223 57.11.3103 57.11.3103 57.11.3103 57.11.3339 57.11.3222 57.11.3222 57.11.3222	22 kOhm 22 kOhm 47 kOhm 22 kOhm 10 kOhm 3.3 Ohm 10 kOhm 3.3 Ohm 2.2 kOhm 3.3 Ohm 2.2 kOhm 3.3 Ohm	2X. 0.25M. MF								
R284 R285 STUDER (01	57.11.3103 57.11.3103) 90/09/25 GP	10 kOhm 10 kOhm AUDIO ELEC	2%, 0.25%, MF 2%, 0.25%, MF TRONICS BOARD PL 1.727.4	60.84 PAGE 15			(01) 90/09/25 01) 90/09/25 GP	AUDIO ELEC	TRONICS BOARD	PL 1.727.460.84	PAGE 18



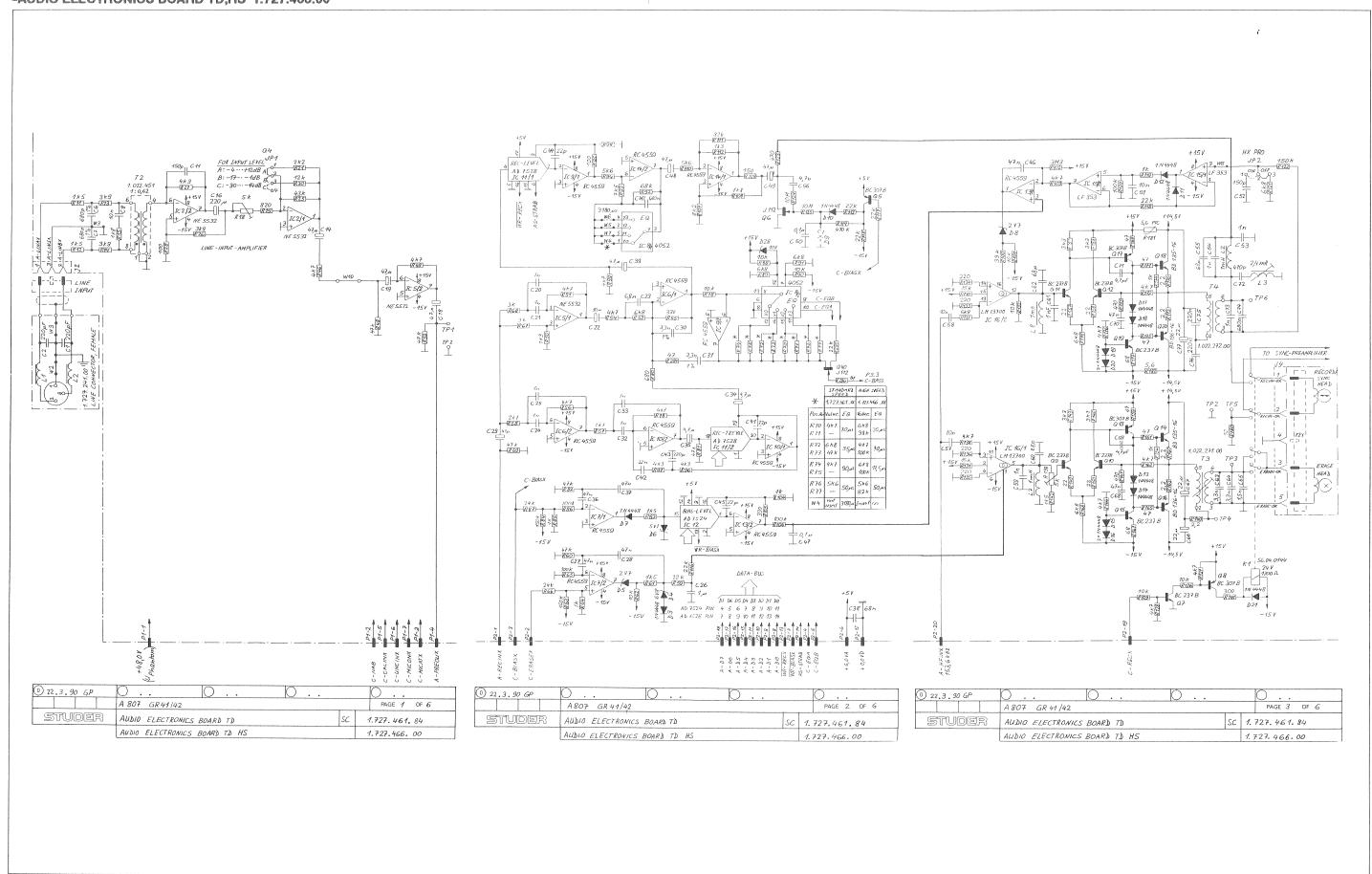




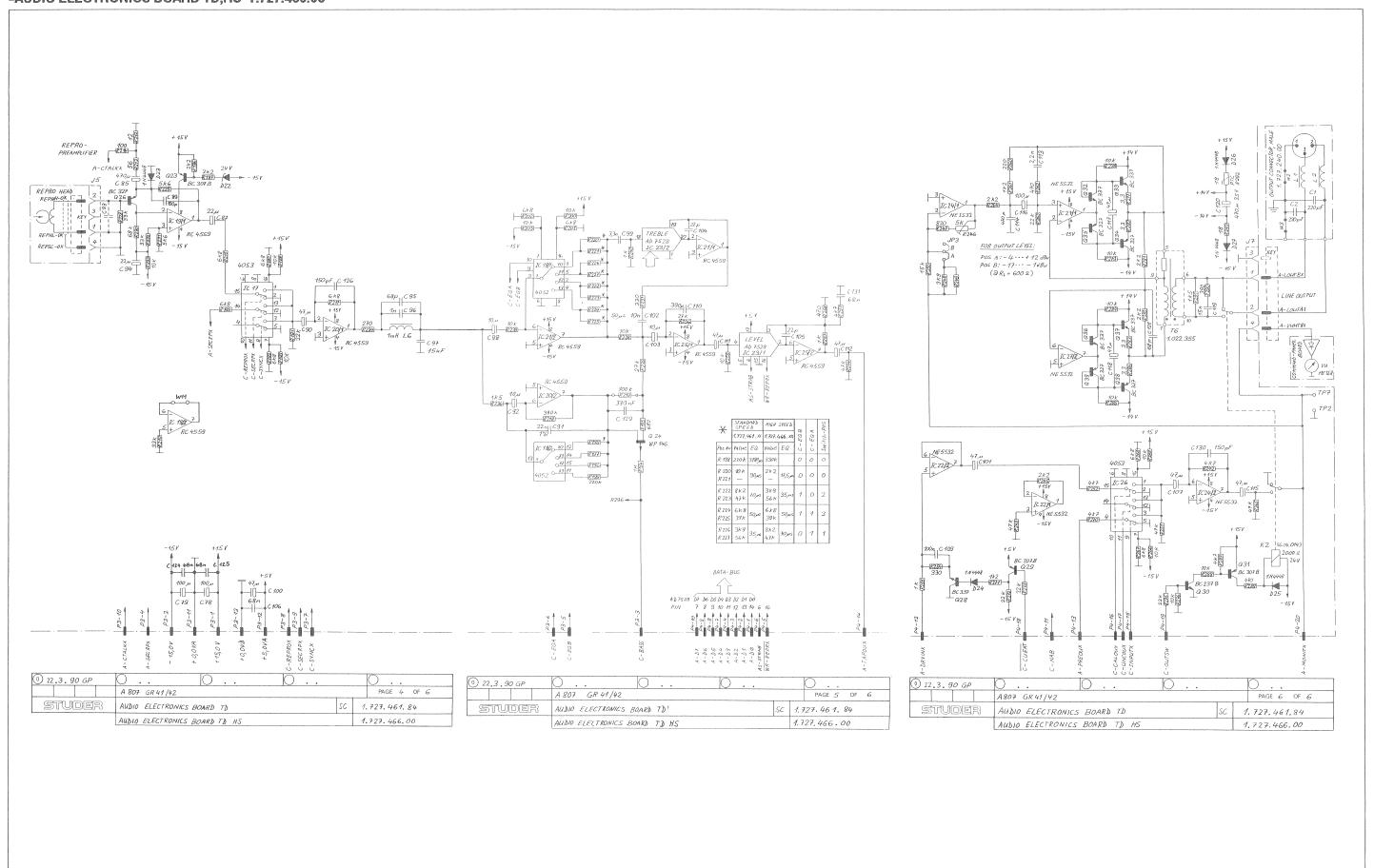
IND. POS.NO.	PART NO. V	ALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO. VALU	E SPECIFICATIONS / EQUIVALENT	MANUF
C6 C7 C8 C14 C14 C18 C19 C20 C21 C22 C23 C23 C25 C25 C27 C28 C27 C28 C27 C33 C31 C35 C39 C31 C31 C31 C32 C34 C35 C37 C38 C39 C31 C31 C34 C35 C34 C35 C36 C37 C38 C37 C38 C38 C39 C39 C31 C38 C34 C35 C36 C37 C38 C38 C39	\$9.22.6100 10 \$9.06.5682 6.8 \$9.05.2102 1 \$9.05.2102 1 \$9.05.2102 1 \$9.05.0103 1 \$9.05.0103 1 \$9.05.0103 1 \$9.05.0133 3 \$9.05.1332 3.3 \$9.05.1332 3.3 \$9.05.1332 3.3 \$9.05.2102 1 \$9.06.0173 47 \$9.06.0173 47 \$9.06.0173 47 \$9.06.00473 47 \$9.06.00473 47 \$9.06.00473 47 \$9.06.00473 47 \$9.06.00473 47 \$9.06.00473 47 \$9.06.00473 47 \$9.06.0068 68 \$9.22.3470 47 \$9.06.5474 47 \$9.06.5974 47 \$9.06.5974 47 \$9.06.5973 47	pF	D3 D4 D5 D5 D5 D5 D5 D6 D7 D8 D9 D10 D11 D13 D14 D15 D16 D17 D18 D16 D17 D18 D19 D23 D23 D23 D23 D23 D24 D25 D26 D27 D28 IC5 IC6 IC6 IC7 IC8 IC9 IC10 IC10 IC11 IC13 ST V D E R (00)	50.09.0105 50.09.0107 50.09.0107 50.07.0024 50.09.0107 50.09.0107 50.07.0026 50.07.0002 50.09.0107	AD 7524JN RC 4559	SOV SI Sense Sov. 0.444 Zense Zen	Sig Sig Ra Ra Hot Ra ADI ADI Ro S	O 28 O 29 O 29 O 31 O 31 O 35 O 36 O 36 O 37 O 39 O 40 R 11 R 12 R 13 R 14 R 12 R 13 R 14 R 15 R 15 R 15 R 16 R 19 R 20 R 21 R 25 R 46 R 49 R 50 R 51 R 55 R 55 R 55	50.03.0240 50.03.0315 50.03.0315 50.03.0316 50.03.0316 50.03.0516 50.03.0516 50.03.0526		BC957B, BC950B NN NN BC957B, BC950B, BC50B NN NN BC557B, BC550B NN NN NS NSC57B, BC550B, NS NN NS	Mot .83 PAGE 7	R131 R132 R133 R133 R135 R136 R136 R136 R137 R138 R139 R140 R141 R142 R143 R145 R145 R147 R149 R149 R149 R149 R149 R149 R150 R151 R152 R153 R153 R153 R153 R156 R162 R164 R164 R165 R165 R166 R166 R166 R166 R166 R167 R168 R169 R169 R169 R169 R169 R161 R163 R163 R164 R165 R166 R167 R167 R168	57.11.3153 15 k0h 57.11.3153 15 k0h 57.11.3153 15 k0h 57.11.3221 220 0h 57.11.3221 8.2 k0h 55.01.303 0h 57.11.3223 2.2 k0 57.11.3322 3.3 k0h 57.11.3322 3.3 k0h 57.11.3322 3.3 k0h 57.11.3322 3.3 k0h 57.11.3323 3.3 k0h 57.11.3323 2.3 k0h 57.11.3220 22 0h 57.11.3470 47 0h	22, 0, 255, MF 22, 0, 256, MF	461.83 PAGE 1
IND. POS.NO.	PART NO. VA	.UE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO. VALU	: SPECIFICATIONS / EQUIVALENT	MANUF
C 68 C 69 C 70 C 71 C 72 C 73 C 74 C 75 C 76 C 77 C 76 C 77 C 76 C 77 C 78 C 79 C 89 C 89 C 89 C 91 C 91 C 91	59, 22, 3470 47 59, 06, 0104 100 59, 34, 4151 150 59, 06, 0102 1 59, 06, 0102 1 59, 06, 0102 1 59, 06, 0103 10 59, 34, 4151 150 59, 06, 0102 1 59, 06, 0103 10 59, 06, 0103 10 59, 06, 0103 10 59, 06, 0103 10 59, 06, 0103 10 59, 06, 0103 10 59, 06, 0103 10 59, 06, 0103 10 59, 06, 0103 10 59, 07, 07, 07, 07, 07, 07, 07, 07, 07, 07	nF 10% 50V PETP nF 10% 50V PETP pF 5% 50V Cer nF 10% 50V PETP nF 2.5% 160V PP nF 2.5% 160V PETP nF 10% 50V PET	L6 L7 L8 MP1 MP2 MP3 NP4	50.09.0101 50.09.0102 50.07.0015 50.07.0015 50.07.0024 50.07.0024 50.09.0107 50.09.0107 50.09.0105 50.09.0105 50.09.0105 50.09.0105 54.01.0304 54.01.0304 54.01.0304 54.01.0021 56.04.0143 62.01.0128 62.01.0128 62.01.0128 62.01.0128 62.01.0128 64.01.028 64.01.029 64.01.029 65.09.0105		Dual Op. Amp. Dual Op. Amp. Dual OP. Amp. Dual OTA CMOS Analog Switch CMOS Analog Switch Dual Op. Amp. CMOS Analog Switch Dual Op. Amp. CMOS Analog Switch Dual Op. Amp. CMOS Analog Switch Dual Op. Amp. CIS Socket Strip CIS Socket S	Ra NS Mot Hot Ra Ra Sig ADI Sig Mot Sig AMP AMP AMP	R 57 R 58 R 59 R 60 R 61 R 63 R 63 R 64 R 63 R 64 R 65 R 66 R 67 R 68 R 69 R 70 R 72 R 73 R 74 R 75 R 76 R 77 R 79 R 79 R 79 R 83 R 84 R 85 R 86 R 89	57.11. 3272 57.11. 3272 57.11. 3272 57.11. 3223 57.11. 3473 57.11. 3152 57.11. 3162 57.11. 3162 57.11. 3162 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3682 57.11. 3672 57.11. 3682 57.11. 3672 57.11. 3682 57.11. 3672 57.11. 3682	2.7 kOhm 2.7 kOhm 2.7 kOhm 2.7 kOhm 47 kOhm 1.5 kOhm 1.5 kOhm 1.6 kOhm 1.6 kOhm 24 kOhm 3 kOhm 3 kOhm 47 kOhm 4.7 kOhm 4.7 kOhm 4.7 kOhm 4.7 kOhm 4.7 kOhm 5.6 kOhm 1.5 kOhm 1.5 kOhm 1.5 kOhm 1.5 kOhm 1.6 kOhm 1.5 kOhm 1.6 kOhm 1.6 kOhm 1.6 kOhm 1.6 kOhm 1.6 kOhm 1.7 kOhm 1.8 kOhm 1.8 kOhm 1.8 kOhm 1.8 kOhm 1.9 kOhm 1	2X, 0, 25W, MF	.83 PAGE 8	R174 R175 R176 R176 R177 R178 R180 R181 R181 R181 R182 R187 R189 R191 R192 R193 R194 R195 R195 R195 R196 R197 R196 R197 R196 R197 R198 R197 R198 R198 R198 R199 R202 R203 R203 R203 R214 R215 R217 R218 R218 R219 R220	57.11.3102	2X. 0.259/ HF	61.83 PAGE 1:
IND. POS.NO.	PART NO. VA	.UE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO. VALU	E SPECIFICATIONS / EQUIVALENT	MANUF
C95 C97 C98 C99 C99 C90 C101 C102 C103 C104 C105 C106 C107 C107 C108 C111 C112 C113 C114 C115 C116 C117 C118 C117 C118 C118 C119 C120 C120 C120 C121 C120 C121 C122 C125 C126 C129 C129 C121 C131 C131	59, 22, 5220 59, 34, 4680 68, 59, 05, 21,02 1, 59, 06, 0153 59, 22, 6100 10, 05, 06, 0153 59, 22, 6100 10, 05, 06, 06, 06, 06, 06, 06, 06, 06, 06, 06	DE 10X 50V Car 10X 50V PP 10X 10X 10X PP 10X 10X P	MP9 1 MP10 1 MP11 1 MP12 1 MP13 1 MP13 1 MP14 1 MP15 1 MP15 1 MP15 1 MP16 1 MP16 1 MP17 1 MP17 1 MP17 1 MP18 1 MP.	21. 51. 8355 241.16.1030 241.16.1030 50.20.2001 1.727.420.01 1.727.420.02 1.727.420.12 1.727.420.12 1.727.420.13 1.727.420.13 1.727.420.12 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.420.13 1.727.430.10261 1.727.430.	2 pcs 2 pcs 2 pcs 3 pcs 4 pcs 4 pcs 1 pcs 2 pcs 4 pcs 2 pcs	Series	St St St St Mot Mot	R94 R95 R96 R97 R98 R99 R100 R101 R102 R103 R104 R105 R106 R107 R108 R109 R111 R112 R113 R114 R115 R119 R120 R121	57.11.3662 57.11.3610 57.11.3432 57.11.3432 57.11.3432 57.11.3432 57.11.3432 57.11.3103	5.6 kOhm 100 Ohm 4.3 kOhm 4.3 kOhm 4.3 kOhm 4.3 kOhm 4.7 kOhm 10 kOhm 12 kOhm 14 kOhm 16 kOhm 17 kOhm 17 kOhm 18 kOhm 19 kOhm 19 kOhm 19 kOhm 10 kOhm	22, 0.25W, NF 22, 0.25W, NF 22, 0.25W, NF 22, 0.25W, NF 23, 0.25W, NF 24, 0.25W, NF 25, 0.25W, NF 26, 0.25W, NF 27, 0.25W, NF 28, 0.25W, NF 29, 0.25W, NF 20, 0.25W, NF 20, 0.25W, NF 21, 0.25W, NF 22, 0.25W, NF 22, 0.25W, NF 23, 0.25W, NF 24, 0.25W, NF 25, 0.25W, NF 26, 0.25W, NF 27, 0.25W, NF 28, 0.25W, NF 29, 0.25W, NF 20, 0.25W, NF 20, 0.25W, NF 20, 0.25W, NF 20, 0.25W, NF 21, 0.25W, NF 22, 0.25W, NF 22, 0.25W, NF 23, 0.25W, NF 24, 0.25W, NF 25, 0.25W, NF 26, 0.25W, NF 27, 0.25W, NF	.83 PAGE 9	R	57.11.3473 47 k0 57.11.3482 68 k0 57.11.3993 39 k0 57.11.3993 39 k0 57.11.3563 56 k0 57.11.3663 56 k0 57.11.3663 56 k0 57.11.3662 5.6 k0 57.11.3683 58 k0 57.11.3683 57 k0 57.11.362 5.6 k0 57.11.3632 5.6 k0 57.11.3333 30 k0 57.11.3333 30 k0 57.11.3333 10 k0 57.11.3333 10 k0 57.11.3473 12 k0 57.11.3473 10 k0 57.11.3103 10 k0 57.11.3103 10 k0 57.11.3103 10 k0 57.11.3103 27 k0 57.11.3103 27 k0 57.11.3103 27 k0 57.11.3103 30 k0 57.11.3103 30 k0 57.11.3103 30 k0 57.11.3103 30 k0 57.11.3103 30 k0 57.11.3103 30 k0 57.11.3103 47 k0 57.11.3473	22. 0.259. NF 22. 0.259. NF 22. 0.259. NF 23. 0.259. NF 24. 0.259. NF 25. 0.259. NF 26. 26. 0.259. NF 26. 27. 0.259. NF 27. 0.259. NF 28. 0.259. NF	61.83 PAGE 1:

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R	57.11.3223 57.11.3223 57.11.303 57.11.303 57.11.3682 57.11.3682 57.11.3682 57.11.3693 57.11.303 57.11.3123 57.11.323 57.11.323 57.11.323 57.11.323 57.11.303 57.11.303 57.11.303 57.11.303 57.11.303 57.11.303 57.11.303 57.11.313 57.11.313 57.11.313 57.11.313 57.11.3223 57.11.333 57.11.315	22 kOhm 2.2 kOhm 4.7 kOhm 4.7 kOhm 6.8	2X, 0.25W, MF	St	
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	
T3	1.022.271.00 1.022.272.00 1.022.355.00		Erase Trafo Bias Trafo Line Output Trafo	St St St	
TP1 TP2 TP3 TP4 TP5 TP6 TP7	54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP AMP AMP AMP	
W3 W4 W5 W6 W7 W8 W10	64.01.0106 64.01.0106 64.01.0106 64.01.0106 64.01.0106 57.11.3000		Wire Bridge not used Wire Bridge not used Wire Bridge Wire Bridge Wire Bridge Wire Bridge Wire Bridge		
XIC2 XIC5 XIC6 XIC6 XIC7 XIC8 XIC9 XIC10 XIC10 XIC11 XIC12 XIC13 XIC14 XIC15 XIC15 XIC15 XIC15 XIC16 XIC17	53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0168 53.03.0168 53.03.0168	8-Fole 8-Fole 8-Fole 8-Fole 8-Fole 8-Fole 8-Fole 8-Fole 8-Fole 8-Fole 6-Fole 16-Fole 16-Fole 8-Fole	IC Socket		
STUDER (O	99/07/03 GP	AUDIO ELEC	CTRONICS BOARD TD PL 1.727.46	1.83 PAGE 14	
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	
XIC20 XIC21 XIC22 XIC23 XIC24 XIC25 XIC26 XIC27	53.03.0166 53.03.0166 53.03.0165 53.03.0165 53.03.0165 53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole 20-Pole 8-Pole 8-Pole 16-Pole 8-Pole	IC Socket		
MANUFACTURER: ADI NS Sig ORIG 89/07/03	= Analog Devis = National Ser = Signetics	es Inc.	= 5111con Mot = Motorola Ra = Raytheon St = Studer		
STUDER (00	99/07/03 G₽	AUDIO ELEC	TRONICS BOARD TD PL 1.727.461	.83 PAGE 15	

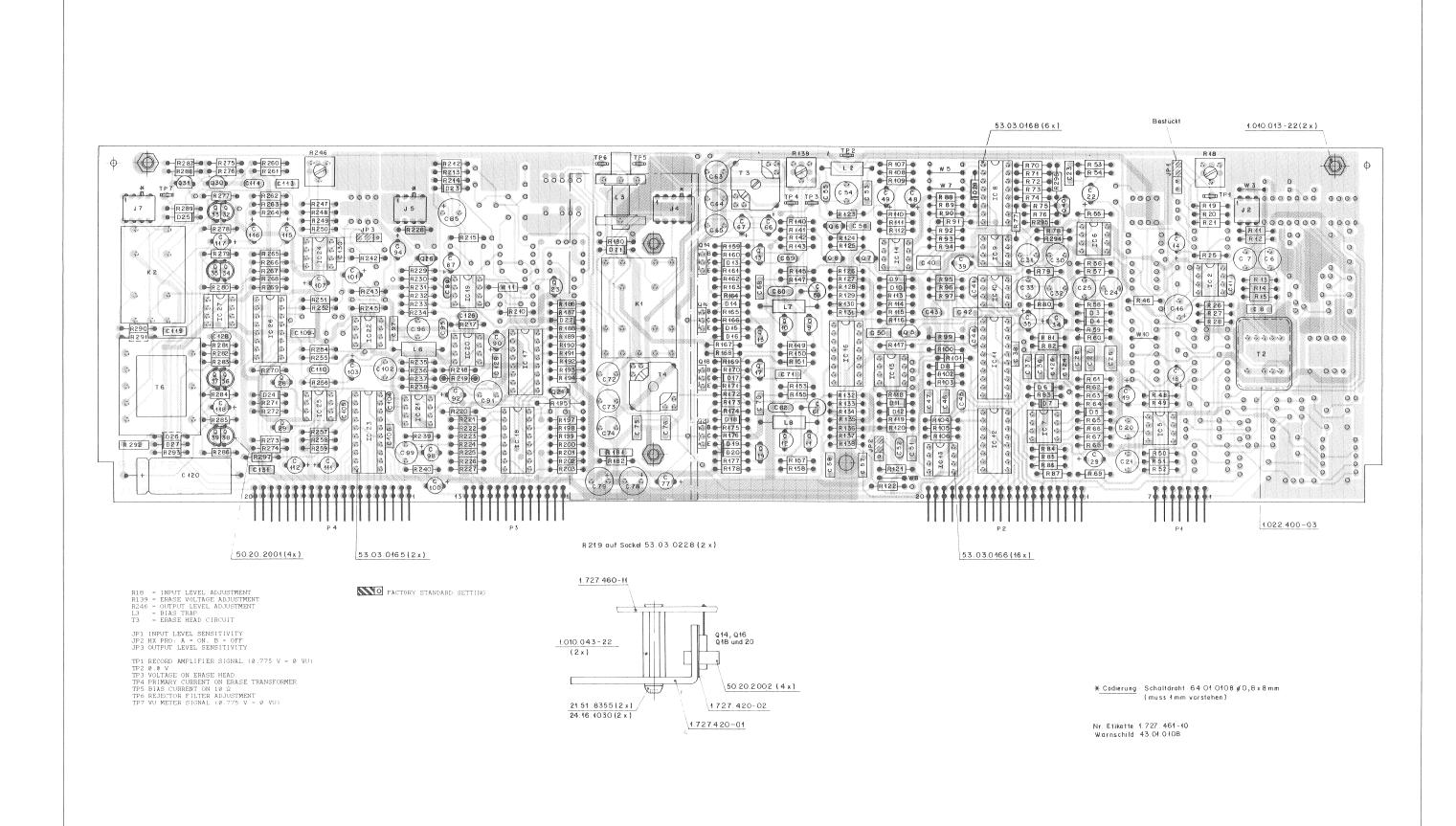
AUDIO ELECTRONICS BOARD TD 1.727.461.84 -AUDIO ELECTRONICS BOARD TD,HS 1.727.466.00



AUDIO ELECTRONICS BOARD TD 1.727.461.84 -AUDIO ELECTRONICS BOARD TD,HS 1.727.466.00



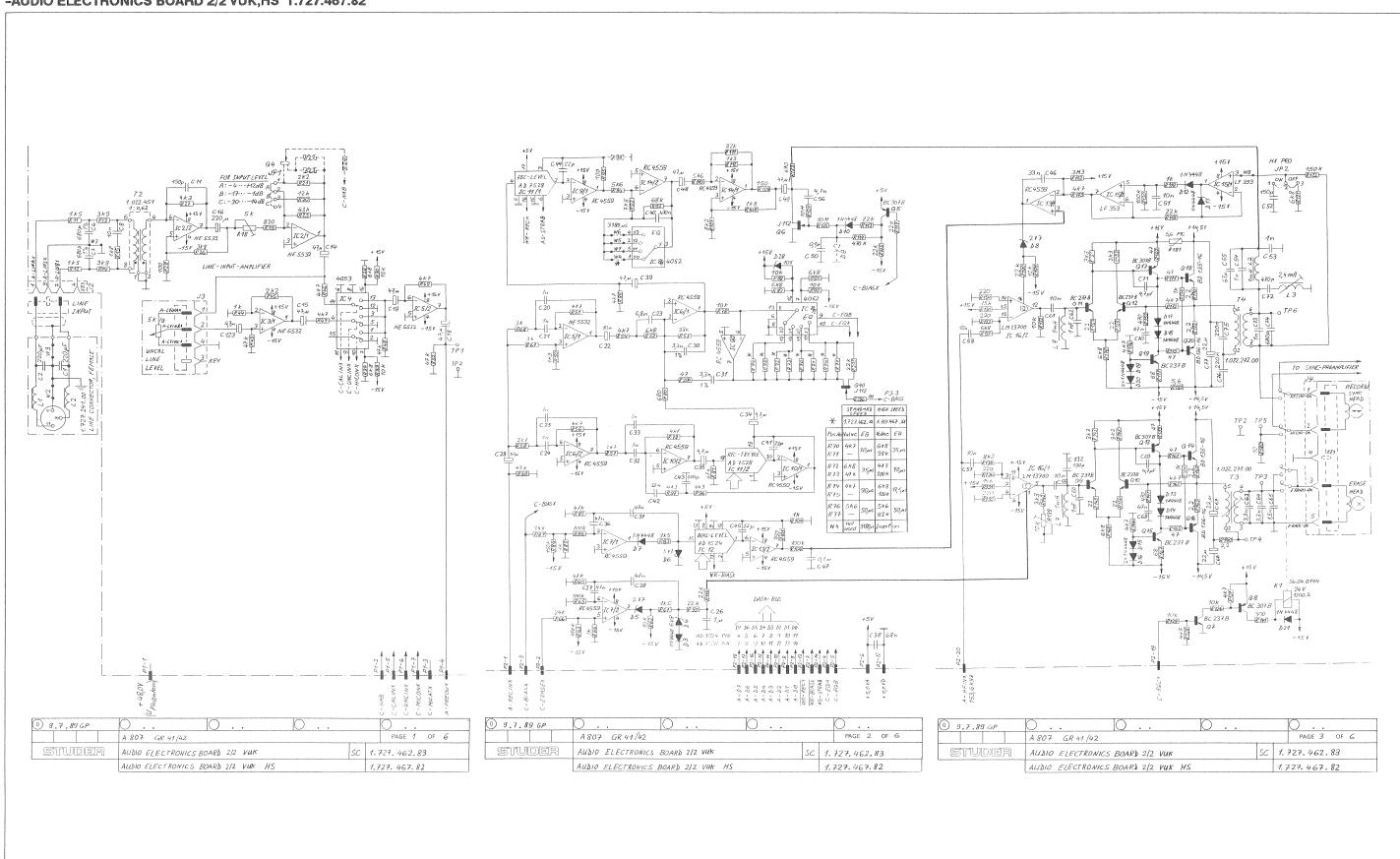
AUDIO ELECTRONICS BOARD TD 1.727.461.84 -AUDIO ELECTRONICS BOARD TD.HS 1.727.466.00



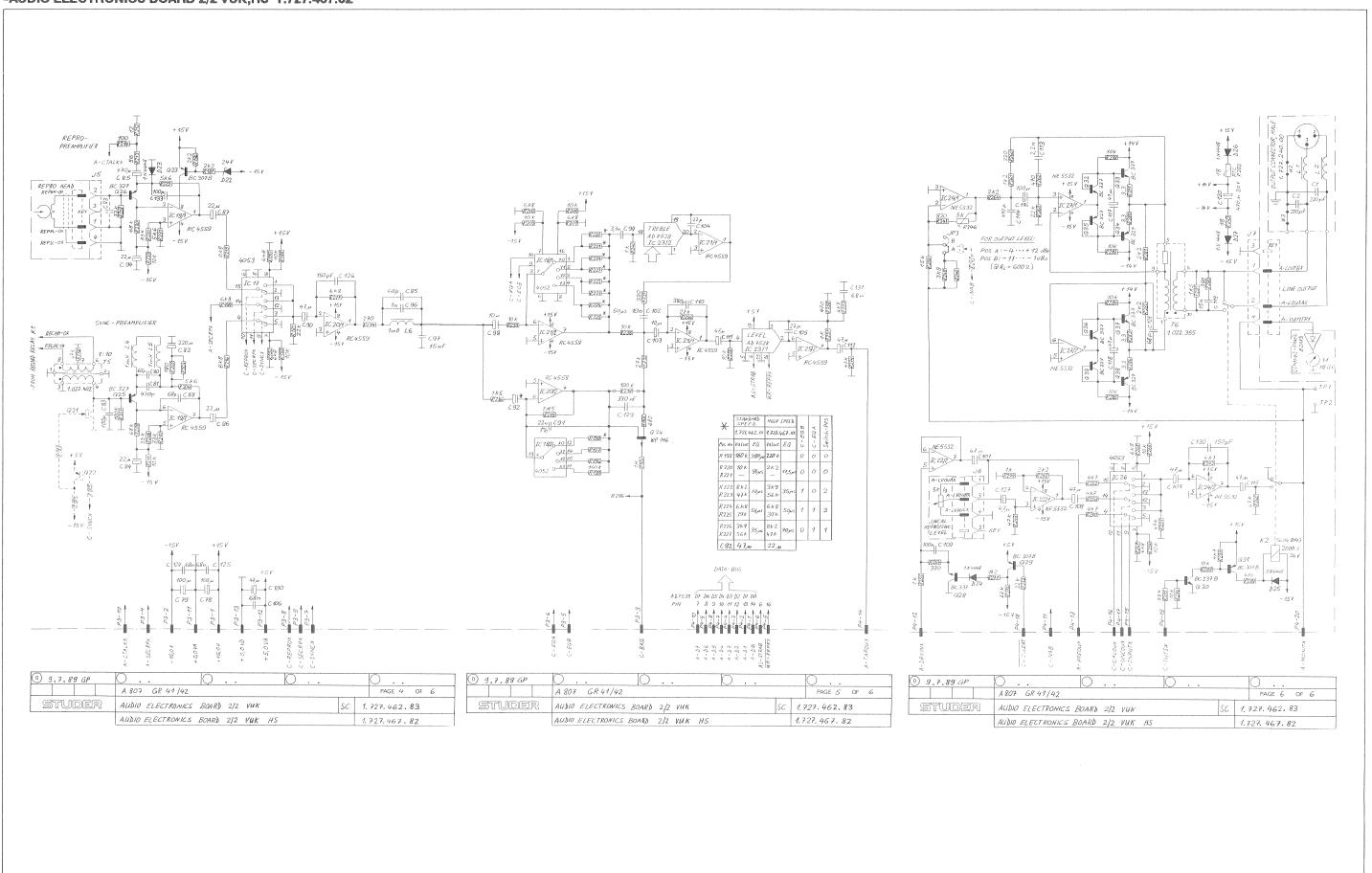
			f IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANU
NAME	IND. FGS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT NANU-	O30	R133 57.11.3221 220 Ohm 2X, 0.25W, MF R134 57.11.3221 220 Ohm 2X, 0.25W, MF R135 57.11.3221 220 Ohm 2X, 0.25W, MF R135 57.11.3221 220 Ohm 2X, 0.25W, MF R136 57.11.3221 220 Ohm 2X, 0.25W, MF R138 57.11.3472 4.7 KOhm 2X, 0.25W, MF R139 57.11.3472 4.7 KOhm 2X, 0.25W, MF R140 57.11.3301 300 Ohm 2X, 0.25W, MF R141 57.11.3301 300 Ohm 2X, 0.25W, MF R142 57.11.3152 1.5 KOhm 2X, 0.25W, MF R143 57.11.3332 3.3 KOhm 2X, 0.25W, MF R144 57.11.3331 33.3 KOhm 2X, 0.25W, MF R145 57.11.3332 3.3 KOhm 2X, 0.25W, MF R147 57.11.3332 3.3 KOhm 2X, 0.25W, MF R149 57.11.3332 3.3 KOhm 2X, 0.25W, MF R151 57.11.3320 22 Ohm 2X, 0.25W, MF R155 57.11.3471 470 Ohm 2X, 0.25W, MF R158 57.11.3220 22 Ohm 2X, 0.25W, MF R159 57.11.3470 47 Ohm 2X, 0.25W, MF R160 57.11.3220 22 Ohm 2X, 0.25W, MF R161 57.11.3320 3.3 KOhm 2X, 0.25W, MF R162 57.11.3470 47 Ohm 2X, 0.25W, MF R164 57.11.3470 47 Ohm 2X, 0.25W, MF R165 57.11.3470 47 Ohm 2X, 0.25W, MF R166 57.11.3470 47 Ohm 2X, 0.25W, MF R167 57.11.3470 47 Ohm 2X, 0.25W, MF R168 57.11.3470 47 Ohm 2X, 0.25W, MF R169 57.11.3470 47 Ohm 2X, 0.25W, MF R160 57.11.3470 47 Ohm 2X, 0.25W, MF R167 57.11.3680 68 Ohm 2X, 0.25W, MF R168 57.11.3470 47 Ohm 2X, 0.25W, MF R169 57.11.3470 47 Ohm 2X, 0.25W, MF R169 57.11.3470 47 Ohm 2X, 0.25W, MF R174 57.11.3470 47 Ohm 2X, 0.25W, MF
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C49 59.22.3470 47 uF -20X 10V EL C50 59.06.0104 100 nF 10X 50V PETF C51 59.06.0103 10 nF 10X 50V PETF C51 59.06.0103 10 nF 10X 50V PETF C51 59.34.46151 150 pF 5X 50V Cer C52 59.34.46151 150 pF 5X 50V Cer C54 59.05.2102 1 nF 2.05X 50V Cer C55 59.34.4680 69 pF 10X 50V Cer C55 59.34.4680 69 pF 10X 50V PETF C56 59.06.0472 4.7 nF 10X 50V PETF C56 59.06.0472 4.7 nF 10X 50V PETF C56 59.06.103 10 nF 10X 50V PETF C56 59.06.103 10 nF 10X 50V PETF C56 59.06.103 30 nF 10X 50V PETF C56 59.05.123 3.3 nF 2.5X 160V PF C56 59.05.2332 3.3 nF 10X 50V Cer C56 59.05.2332 3.3 nF 2.5X 160V PF C66 59.22.6220 22 uF -20X 35V EL C66 59.22.6220 22 uF -20X 35V EL C66 59.22.6220 22 uF -20X 35V EL C66 59.32.6220 22 uF -20X 35V EL C66 59.32.6220 22 uF -20X 35V EL C69 59.34.0409 4.7 nF 10X 50V Cer C69 59.34.0409 4.7 nF 10X 50V Cer C69 59.34.0409 4.7 nF 10X 50V PETF C75 59.05.0471 4.7 nF 10X 50V Cer C75 59.05.0471 4.7 nF 10X 50V Cer C69 59.34.0409 4.7 nF 10X 50V PETF C75 59.05.0471 4.7 nF 10X 50V PETF C75 59.05.0479 4.7 nF 10X 50V Cer C75 59.05.0479 4.7 nF 10X 50V PETF C75 59.05.0471 4.7 nF 10X 50V PETF C775 59.05.0471 4.7 nF 10X 50V PETF C775 59.05.0471 4.7 nF	IC16	R59 57.11.3223 22 k0hm 2X, 0.25W, MF R61 57.11.3473 47 k0hn 2X, 0.25W, MF R62 57.11.3103 10 k0hn R63 57.11.3104 150 k0hn R64 57.11.3104 150 k0hn R65 57.11.3104 170 k0hn R65 57.11.3104 170 k0hn R65 57.11.3243 24 k0hm R66 57.11.3243 24 k0hm R66 57.11.3243 24 k0hm R67 57.11.3473 47 k0hm R69 57.11.3473 47 k0hm R69 57.11.3473 47 k0hm R69 57.11.3473 47 k0hm R69 57.11.3473 47 k0hm R70 57.11.3473 47 k0hm R71 57.11.3473 47 k0hm R72 57.11.3473 47 k0hm R71 57.11.3473 47 k0hm	R176 57.11.3472 4.7 kOhm 2% 0.25% MF R177 57.11.3680 68 Ohm 2% 0.25% MF R180 57.11.3682 6.8 kOhm 2% 0.25% MF R180 57.11.3100 10 Ohm 2% 0.25% MF R180 57.11.3100 10 Ohm 2% 0.25% MF R181 57.99.020 5.6 Ohm R182 57.11.3222 2.2 kOhm 2% 0.25% MF R183 57.11.3222 2.2 kOhm 2% 0.25% MF R184 57.11.3222 2.2 kOhm 2% 0.25% MF R189 57.11.3682 6.8 kOhm 2% 0.25% MF R190 57.11.3682 6.8 kOhm 2% 0.25% MF R191 57.11.3683 6.8 kOhm 2% 0.25% MF R192 57.11.3683 6.8 kOhm 2% 0.25% MF R193 57.11.3683 6.8 kOhm 2% 0.25% MF R194 57.11.3103 10 kOhm 2% 0.25% MF R195 57.11.3683 68 kOhm 2% 0.25% MF R197 57.11.3683 6.8 kOhm 2% 0.25% MF R198 57.11.3683 68 kOhm 2% 0.25% MF R199 57.11.3683 68 kOhm 2% 0.25% MF R199 57.11.3683 68 kOhm 2% 0.25% MF R199 57.11.3681 680 Ohm 2% 0.25% MF R199 57.11.3681 680 Ohm 2% 0.25% MF R199 57.11.3881 680 Ohm 2% 0.25% MF R199 57.11.3244 220 kOhm 2% 0.25% MF R199 57.11.3243 220 kOhm 2% 0.25% MF R199 57.11.3824 220 kOhm 2% 0.25% MF R200 57.11.3826 6.8 kOhm 2% 0.25% MF R201 57.11.3826 6.8 kOhm 2% 0.25% MF R202 57.11.3826 6.8 kOhm 2% 0.25% MF R203 57.11.382 6.8 kOhm 2% 0.25% MF R204 57.11.382 6.8 kOhm 2% 0.25% MF R205 57.11.382 6.8 kOhm 2% 0.25% MF R215 57.11.382 6.8 kOhm 2% 0.25% MF R216 57.11.382 6.8 kOhm 2% 0.25% MF R217 57.11.382 6.8 kOhm 2% 0.25% MF R218 57.11.382 6.8 kOhm 2% 0.25% MF R219 57.11.382 6.8 kOhm 2% 0.25% MF R221 57.11.382 6.8 kOhm 2% 0.25% MF R222 57.11.382 6.8 kOhm 2% 0.25% MF R223 57.11.382 6.8 kOhm 2% 0.25% MF R224 57.11.382 6.8 kOhm 2% 0.25% MF R225 57.11.382 6.8 kOhm 2% 0.25% MF R222 57.11.382 6.8 kOhm 2% 0.25% MF R222 57.11.382 6.8 kOhm 2% 0.25% MF R223 57.11.382
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C93 C94 59.22.5220 22 UF -20X 25V EL C95 59.34.4680 68 pF 10X 50V Cer C96 59.05.2102 1 nF 2.5X 50V PF C97 59.06.0153 15 nF 10X 50V PFT C99 59.02.6100 10 UF -20X 35V EL C99 59.22.6100 10 UF -20X 35V EL C100 59.22.3470 47 UF -20X 10V EL C101 59.22.3470 10 nF 2.5X 50V PF C102 59.23.340 10 nF 2.5X 50V PF C105 59.34.2220 22 pF C106 59.06.0683 68 nF 10X 50V Cer C107 59.22.3470 47 UF -20X 10V EL C108 59.34.2220 22 pF 10X 50V Cer C109 59.06.0683 68 nF 10X 50V PFT C110 59.32.3310 300 pF 10X 50V Cer C107 59.22.3470 47 UF -20X 10V EL C108 59.34.2220 22 pF 10X 50V Cer C105 59.34.2220 32 pF 10X 50V Cer C107 59.22.3470 47 UF -20X 10V EL C110 59.34.331 390 pF 10X 50V Cer C107 59.34.331 390 pF 10X 50V Cer C111 59.34.331 390 pF 10X 50V Cer C114 59.34.331 390 pF 10X 50V Cer C115 59.23.3470 47 UF -20X 10V EL C114 59.34.3470 47 UF -20X 10V EL C115 59.22.3470 47 UF -20X 10V EL C116 59.23.3470 47 UF -20X 10V EL C117 59.22.3470 47 UF -20X 10V EL C118 59.22.3470 47 UF -20X 10V EL C116 59.32.5471 50 UF F -20X 10V EL C117 59.22.3470 47 UF -20X 10V EL C118 59.22.3470 47 UF -20X 10V EL C118 59.22.3470 47 UF -20X 10V EL C118 59.22.3470 47 UF -20X 10V EL C119 59.06.0133 15 nF 10X 50V PFTP C119 59.06.0133 15 nF 10X 50V PFTP C128 59.34.4151 150 pF 10X 50V PFTP C126 59.34.4151 150 pF 10X 50V Cer C126 59.34.4151 150 pF 10X 50V Cer C126 59.34.4151 150 pF 10X 50V Cer C127 59.34.4151 150 pF 10X 50V Cer C128 59.34.4151 150 pF 10X 50V Cer C129 59.06.0638 68 nF 10X 50V PFTP C130 59.34.4151 150 pF 10X 50V Cer C130 59.34.4151 150 pF 10X 50V Cer C130 59.34.4151 150 pF 10X 50V Cer C128 59.34.4151 150 pF 10X 50V Cer C128 59.34.4151 150 pF 10X 50V Cer C130 59.34.4151 150 pF 10X 50V Cer	#P7 50.20.2001 4 pcs Clip, 2*T092 #P8 1.727,420.01 1 pcc Heatmink mitter #P9 1.727,420.01 1 pcc Heatmink mitter #P10 1.727,461.10 1 pcc No. Label 5: #P10 1.727,461.10 1 pcc No. Label 5: #P11 1.727,460.11 1 pcc No. Label 5: #P12 1.022,400.03 1 pcc Heatmink mitter #P13 1.072,400.11 1 pcc No. Label 5: #P14 1.072,400.10 1 pcc No. Label 5: #P15 1.000.10.22 2 pcs Pivet Not H33-3 #P16 53.03.022 4 pcs Clip, T0126 #P16 53.03.0228 2 pcs Pivet Not H33-3 #P17 54.01.023 7-Pole ClS Pin Strip #P2 54.01.0261 20-Pole ClS Pin Strip #P3 54.01.0273 13-Pole ClS Pin Strip #P3 54.01.0261 20-Pole ClS Pin Strip #P4 54.01.0261 20-Pole ClS Pin Strip #P4 54.01.0261 20-Pole ClS Pin Strip #P5 50.03.035 J112 #P4 54.01.0261 20-Pole ClS Pin Strip #P5 50.03.035 J112 #P6 50.03.035 J112 #P7 50.03.035 J1278 #P9 50.03.035 BC307B BC557B, BC560B PNP #P9 50.03.0368 BC237B BC557B, BC560B PNP #P9 50.03.0368 BC237B BC547B, BC550B NPN #P10 50.03.0436 BC237B BC547B, BC550B NPN #P11 50.03.0436 BC237B BC547B, BC550B NPN #P12 50.03.0436 BC237B BC547B, BC550B NPN #P13 50.03.0436 BC237B BC547B, BC550B NPN #P14 50.03.0436 BC237B BC547B, BC550B NPN #P15 50.03.0436 BC237B BC547B, BC550B NPN #P16 50.03.0436 BC237B BC547B, BC550B NPN #P17 50.03.0436 BC237B BC547B, BC550B NPN #P18 50.03.0436 BC237B BC547B, BC550B NPN #P19 50.03.0436 BC237B BC547B, BC550B NPN #P10 50.03.0436 BC237B	R114 57.11.3474 470 K0hm 2X, 0.2594 MF R115 57.11.3223 22 K0hm 2X, 0.2594 MF R116 57.11.3223 22 K0hm 2X, 0.2594 MF R117 57.11.3223 22 K0hm 2X, 0.2594 MF R118 57.11.3223 22 K0hm 2X, 0.2594 MF R119 57.11.3223 22 K0hm 2X, 0.2594 MF R121 57.11.3223 22 K0hm 2X, 0.2594 MF R122 57.11.31692 1 K0hm 2X, 0.2594 MF R122 57.11.3692 6.6 K0hm 2X, 0.2594 MF R123 57.11.3461 470 0hm 2X, 0.2594 MF R123 57.11.3471 470 0hm 2X, 0.2594 MF R124 57.11.3103 10 K0hm 2X, 0.2594 MF R125 57.11.5106 10 M0hm 5X, 0.2594 MF R126 57.11.3103 10 K0hm 2X, 0.2594 MF R127 57.11.3472 4.7 K0hm 2X, 0.2594 MF R128 57.11.3472 4.7 K0hm 2X, 0.2594 MF R129 57.11.3103 10 K0hm 2X, 0.2594 MF R130 57.11.3103 15 K0hm 2X, 0.2594 MF R131 57.11.3153 15 K0hm 2X, 0.2594 MF R131 57.11.3153 15 K0hm 2X, 0.2594 MF R131 57.11.3153 15 K0hm 2X, 0.2594 MF	R

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R265 R266 R267	57.11.3473 57.11.3103 57.11.3682	47 kOhm 10 kOhm 6.8 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	R268 R269 R270	57.11.3682 57.11.3103 57.11.3472	6.8 kOhm 10 kOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF	
	R271 R272 R273	57.11.3122 57.11.3223 57.11.3223	1.2 kOhm 22 kOhm 22 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	R274 R275 R276	57.11.3473 57.11.3223 57.11.3103	47 kOhm 22 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF	
	R277 R278 R279	57.11.3339 57.11.3103 57.11.3103	3.3 Ohm 10 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	R280 R281 R282	57.11.3339 57.11.3222 57.11.3222	3.3 Ohm 2.2 kOhm 2.2 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	R283 R284 R285	57.11.3339 57.11.3103 57.11.3103	3.3 Ohm 10 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	R286 R287 R288	57.11.3339 57.11.3472 57.11.3103	3.3 Ohm 4.7 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	R289 R290 R291	57.11.3471 57.11.3391 57.11.3152	470 Ohm 390 Ohm 1.5 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	R292 R293 R294	57.92.1151 57.11.3180 57.11.3470	18 Ohm 18 Ohm 47 Ohm	150mA, PTC 2%, 0.25W, MF 2%, 0.25W, MF	
	R295 R296 R297	57.11.3223 57.11.3105 57.11.3472	22 kOhm 1 MOhm 4.7 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF	
	T2 T3	1.022.451.00	1:0.62	Line Input Trafo Erase Trafo	St St
STU	T4	1.022.272.00	AUDIO ELEC	Bias Trafo	St .461.84 PAGE 13
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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	т6	1.022.355.00		Line Output Trafo	St
	TP1 TP2	54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP
	TP3 TP4 TP5	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP
	TP6 TP7	54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP
	W3 W4 W5	64.01.0106 64.01.0106		Wire Bridge not used Wire Bridge	
	₩6 ₩7 ₩8	64.01.0106 64.01.0106		not used Wire Bridge Wire Bridge	
	₩10 ₩11	64.01.0106 57.11.3000		Wire Bridge Wire Bridge	
	XIC2 XIC5 XIC6	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket	
	XIC7 XIC8 XIC9	53.03.0166 53.03.0168 53.03.0166	8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket	
	XIC10 XIC11 XIC12	53.03.0166 53.03.0165 53.03.0168	8-Pole 20-Pole 16-Pole	IC Socket IC Socket IC Socket	
	XIC13 XIC14 XIC15	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
	XIC16 XIC17 XIC18 XIC19	53.03.0168 53.03.0168 53.03.0168 53.03.0166	16-Pole 16-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket	
	XIC20 XIC21	53.03.0166 53.03.0166	8-Pole 8-Pole	IC Socket IC Socket	
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	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	XIC22 XIC23 XIC24	53.03.0166 53.03.0165 53.03.0166	8-Pole 20-Pole 8-Pole	IC Socket IC Socket IC Socket	
	XIC25 XIC26 XIC27	53.03.0166 53.03.0168 53.03.0166	8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket	
Cer =	Ceramic	EL = Electr	olytic PET	P = Polyester	
DD -	Polypropyl	en MF = Metal	Film SI	= Silicon	
	CTURER: AD	I = Analog Devi	ces Inc.	Mot = Motorola	
MANUFA	NS Si	I = Analog Devi = National Se g = Signetice	ces Inc. miconductors	Mot = Motorola Ra = Raytheon St = Studer	
MANUFA	NS Si 10/03/12	= National Se g = Signetice	miconductors	Ra = Raytheon St = Studer	461.84 PAGE 15

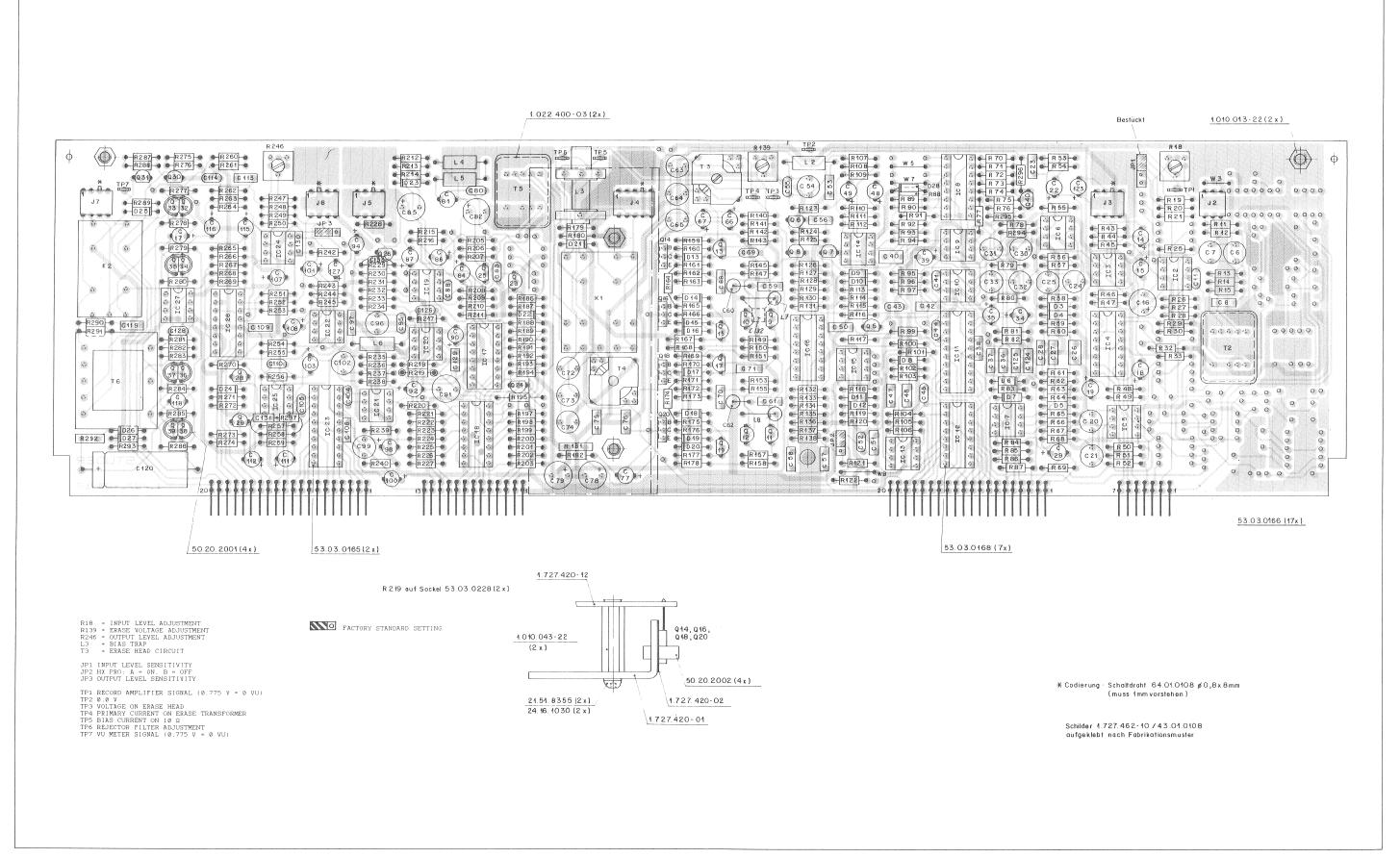
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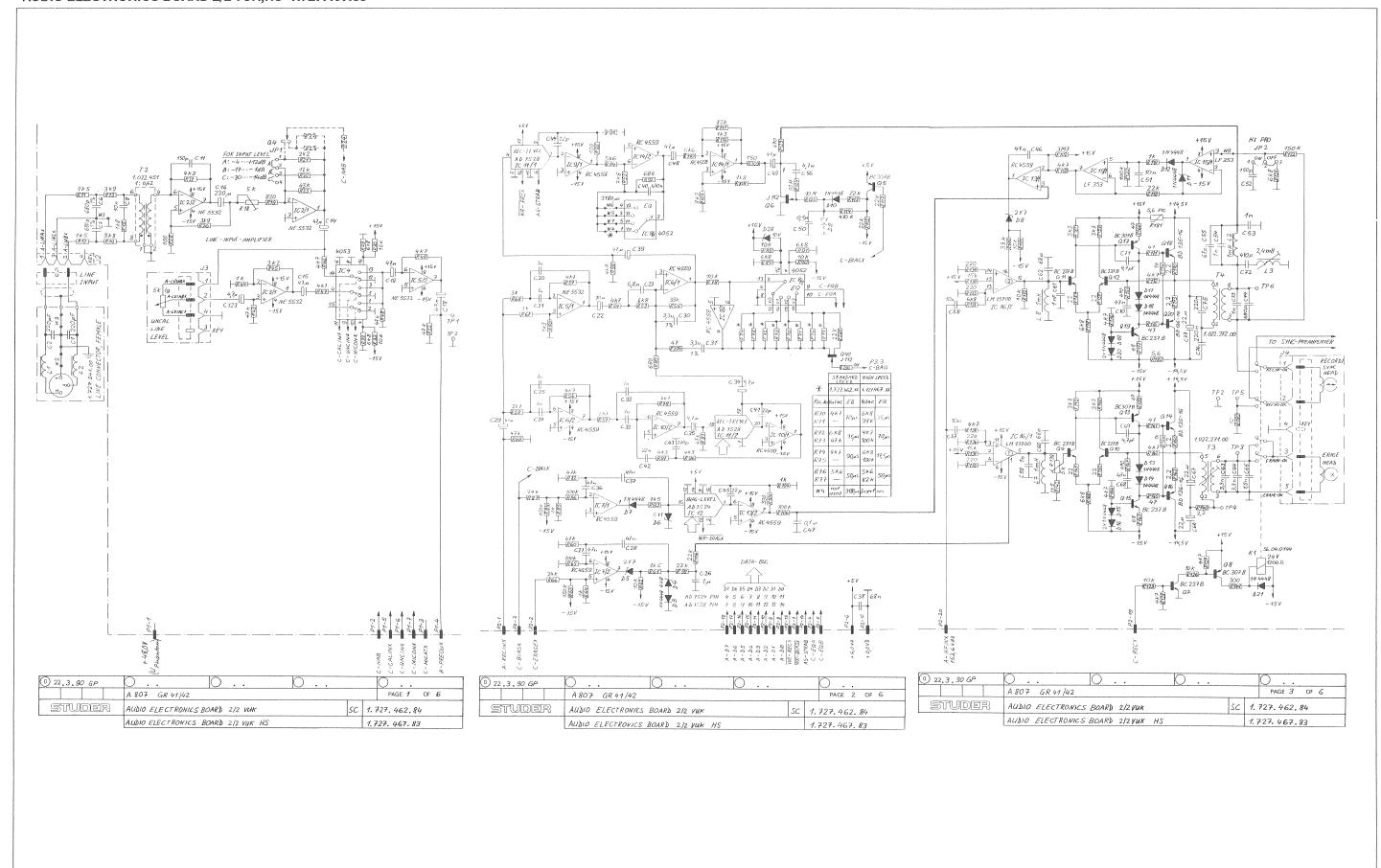


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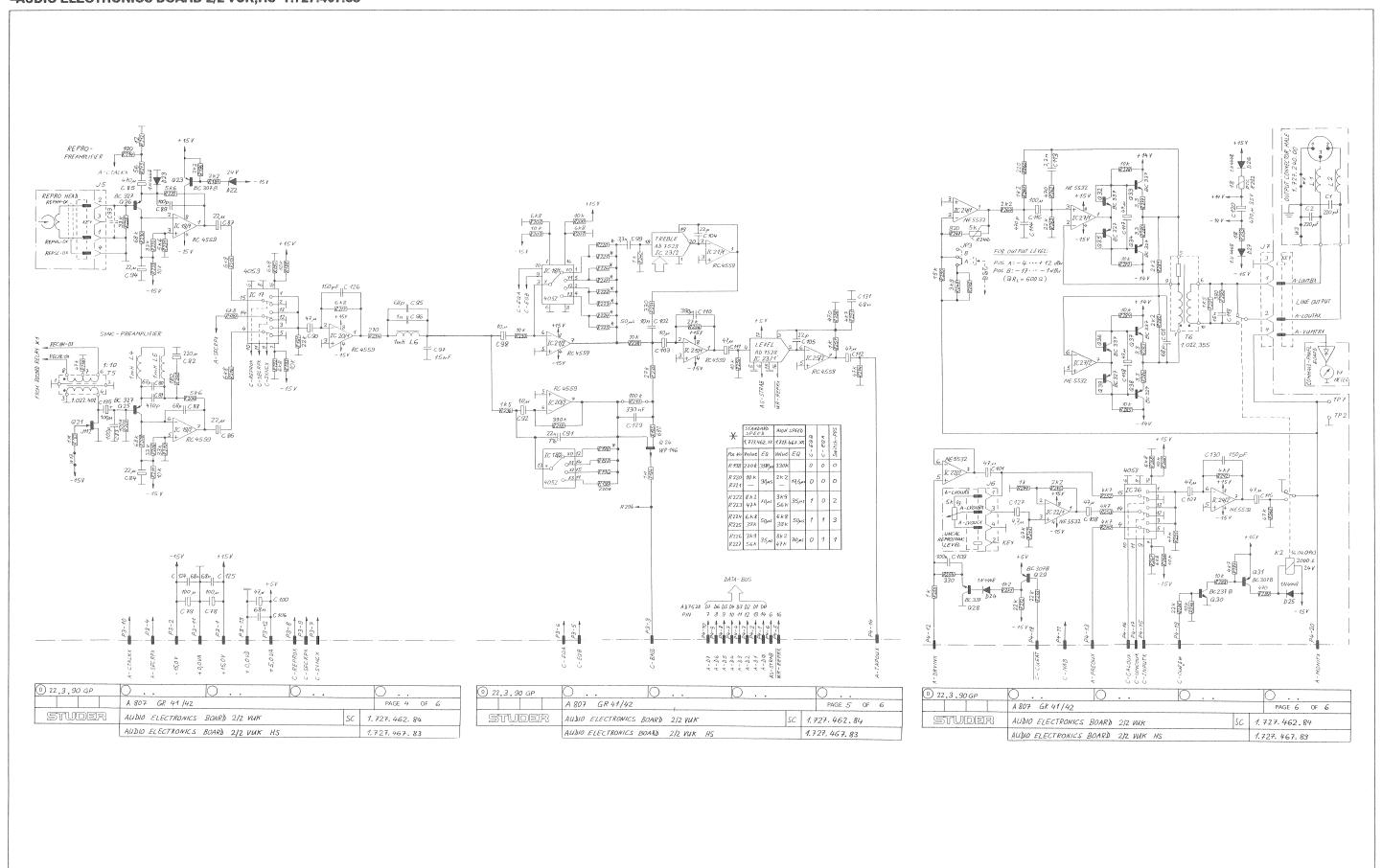
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C6 59.05.1681 680 pF 12 50V PP C7 59.05.1681 680 pF 12 50V PP C8 59.05.1093 10 nF 102 50V PETP C8 59.05.24470 47 uF -200 100 EL C8 59.22.2470 47 uF -200 100 EL C8 59.22.2470 47 uF -200 100 EL C8 59.22.3470 47 uF -200 100 EL C8 59.05.3470 47 uF -200 100 EL C8 59.05.3400 100 EL C8 59.05.3400 100 uF 2.5% 500 PP C20 59.05.2100 1 uF -20% 35V EL C20 59.05.2100 10 uF -20% 35V EL C20 59.05.2100 10 uF -20% 35V EL C23 59.05.2100 11 uF -20% 500 PP C29 59.06.0105 1 uF -20% 500 PP C29 59.06.0105 47 nF 10% 50V PETP C29 59.06.0473 47 nF 10% 50V PETP C29 59.06.04	C124 59.06.0683 68 nF 10X 50V PETP C124 59.06.0683 68 nF 10X 50V PETP C125 59.06.0683 150 nF 10X 50V PETP C126 59.06.0683 150 nF 20X 50V PETP C127 59.24.4680 68 pF 10X 50V Cer C128 59.34.4680 68 pF 10X 50V Cer C130 59.34.4151 150 pF 10X 50V Cer C131 59.34.4151 150 pF 10X 50V Cer C132 59.34.4151 100 pF 5X 50V Cer C133 59.34.4101 100 pF 5X 50V Cer C133 59.34.4101 100 pF 5X 50V Cer D35 50.04.102 10X 50V Cer D4 50.04.102 10X 50V 50V Cer D5 50.04.1106 2.7 V 5X 0.48 Zener D5 50.04.1106 2.7 V 5X 0.48 Zener D6 50.04.1105 2.7 V 5X 0.48 Zener D7 50.04.1025 10X 50V 50V 51 D7 50.04.1025 10X 50V 50V 51 D7 50.04.1025 10X 50V 50V 51 D7 50.04.1025 10X 50V 50V 50V 51 D10 50.04.1025 10X 50V 50V 51 D10 50.04.1025 10X 50V 50V 50V 51 D10 50.04.1025 10X 50V 50V 50V 51 D10 50.04.1025 10X 50V	O 8 50, 03 0545 BC307B BC557B, BC560B PMP O 10 50, 03, 0436 BC337B BC547B, BC550B NPN O 11 50, 03, 0436 BC237B BC547B, BC550B NPN O 12 50, 03, 0436 BC237B BC547B, BC550B NPN O 13 50, 03, 0436 BC237B BC547B, BC550B NPN O 14 50, 03, 0495 BD135-16 O 15 50, 03, 0495 BD135-16 O 16 50, 03, 0495 BD135-16 O 18 50, 03, 0436 BC237B O 18 50, 03, 0436 BC237B O 19 50, 03, 0436 BC237B O 19 50, 03, 0436 BC237B O 19 50, 03, 0436 BC37B O 21 O 21 O 22 O 23 50, 03, 0515 BC307B O 25 BC57B, BC560B PMP O 26 BC57B, BC550B NPN O 27 BC57B, BC550B NPN O 27 BC57B, BC550B NPN O 28 BC57B, BC550B NPN O 29 BC57B, BC550B NPN O 20 SO, 03, 0515 BC307B O 21 BC57B, BC550B NPN O 21 BC57B, BC550B NPN O 22 BC57B, BC550B NPN O 21 BC57B, BC550B NPN O 22 BC57B, BC550B NPN O 22 BC57B, BC550B NPN O 24 BC57B, BC550B NPN O 25 BC57B, BC550B NPN O 26 BC57B, BC550B NPN O 27 BC57B, BC550B NPN O 28 BC57B, BC550B NPN O 28 BC57B, BC550B NPN O 29 BC57B, BC550B NPN O 20 BC	B101 57.11.3103 10 kOhm 2X. 0.25W, MF B102 57.11.5335 3.3 MOhm 5X. 0.25W, MF B103 57.11.3472 4.7 kOhm 2X. 0.25W, MF B104 57.11.3103 11 kOhm 2X. 0.25W, MF B105 57.11.3103 10 kOhm 2X. 0.25W, MF B106 57.11.3104 100 kOhm 2X. 0.25W, MF B107 57.11.3802 8.2 kOhm 2X. 0.25W, MF B108 57.11.3151 15.0 kOhm 2X. 0.25W, MF B109 57.11.3151 15.0 kOhm 2X. 0.25W, MF B109 57.11.3151 15.0 kOhm 2X. 0.25W, MF B111 57.11.3151 15.0 kOhm 2X. 0.25W, MF B111 57.11.3151 15.0 kOhm 2X. 0.25W, MF B111 57.11.3132 13.8 kOhm 2X. 0.25W, MF B112 57.11.3132 13.8 kOhm 2X. 0.25W, MF B113 57.11.3232 12 kOhm 2X. 0.25W, MF B114 57.11.3474 470 kOhm 2X. 0.25W, MF B115 57.11.3223 22 kOhm 2X. 0.25W, MF B116 57.11.3223 22 kOhm 2X. 0.25W, MF B116 57.11.3223 22 kOhm 2X. 0.25W, MF B117 57.11.3223 22 kOhm 2X. 0.25W, MF B118 57.11.3223 22 kOhm 2X. 0.25W, MF B119 57.11.3102 1 kOhm 2X. 0.25W, MF
C30 59.05.1332 3.3 nF 112 50V PF C31 59.05.1332 3.3 nF 12 50V PF C32 59.05.21032 1 nF 2.5% 50V PF C33 59.05.2102 1 nF 2.5% 50V PF C34 59.25.2002 1 nF 2.5% 50V PF C35 59.05.2102 1 nF 2.5% 50V PF C36 59.26.8479 4.7 uF -20% 35V EL C37 59.26.8479 4.7 uF -20% 35V EL C37 59.06.0473 47 nF 10% 50V PETP C37 59.06.0473 47 nF 10% 50V PETP C38 59.05.0683 68 nF 10% 50V PETP C38 59.06.0683 68 nF 10% 50V PETP C38 59.06.0683 68 nF 10% 50V PETP C40 59.06.5474 470 nF 5% 50V PETP C41 59.34.2220 22 pF 10% 50V Cer C42 59.06.0223 22 nF 10% 50V Cer C43 59.34.4221 220 pF 5% 50V Cer C44 59.34.4221 220 pF 5% 50V Cer C45 59.34.2220 22 pF 10% 50V Cer C46 59.34.2220 22 pF 10% 50V Cer C47 59.06.0104 100 nF 10% 50V PETP DER (00) 89/07/03 GP AUDIO ELECTRONICS BOARD 2/2VUK PL 1.727.462.83 PAGE 1	D	Q29 50.03.0515 BC307B BC557B BC560B MPN Q30 50.03.0515 BC307B BC557B BC550B MPN Q31 50.03.0515 BC307B BC557B BC550B MPN Q32 50.03.0515 BC337 matched with Q33, MPN Q33 50.03.0516 BC337 matched with Q33, MPN Q35 50.03.0625 BC327 matched with Q37, MPN Q35 50.03.0625 BC327 matched with Q37, MPN Q37 50.03.0516 BC337 matched with Q37, MPN Q37 50.03.0516 BC337 matched with Q37, MPN Q37 50.03.0516 BC337 matched with Q37, MPN Q39 50.03.0625 BC327 matched with Q39, MPN Q39 50.03.0625 BC327 matched with Q39, MPN Q39 50.03.0625 BC327 matched with Q39, MPN Q39 50.03.0325 BC327 matched	R121 57.11.3682 6.8 kOhm 2%, 0.25W, MF R122 57.11.3154 150 kOhm 2%, 0.25W, MF R123 57.11.3471 470 Ohm 2%, 0.25W, MF R124 57.11.5160 10 MOhm 3%, 0.25W, MF R125 57.11.5160 10 MOhm 3%, 0.25W, MF R127 57.11.3472 4.7 kOhm 2%, 0.25W, MF R128 57.11.3472 4.7 kOhm 2%, 0.25W, MF R128 57.11.3472 4.7 kOhm 2%, 0.25W, MF R129 57.11.3153 15 kOhm 2%, 0.25W, MF R130 57.11.3153 15 kOhm 2%, 0.25W, MF R131 57.11.3153 15 kOhm 2%, 0.25W, MF R132 57.11.3103 10 kOhm 2%, 0.25W, MF R133 57.11.321 20 Ohm 2%, 0.25W, MF R136 57.11.3121 220 Ohm 2%, 0.25W, MF R137 57.11.3221 220 Ohm 2%, 0.25W, MF R136 57.11.3221 220 Ohm 2%, 0.25W, MF
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C48	IC2 50.09.0105 NE 5532 Dual Op. Amp. IC3 50.09.0105 NE 5532 Dual Op. Amp. IC4 50.07.0015 NC 10453 CMOS Analog Switch IC5 50.09.0105 NE 5532 Dual Op. Amp. IC6 50.09.0107 NC 4559 Dual Op. Amp. IC6 50.09.0107 NC 4559 Dual Op. Amp. IC10 50.09.0107 NC 4559 Dual Op. Amp. IC10 50.09.0107 NC 4559 Dual Op. Amp. IC10 50.09.0107 NC 4559 Dual Op. Amp. IC11 50.07.0026 AD 7528JN Dual Op. Amp. IC12 50.07.0002 AD 7528JN Dual Op. Amp. IC13 50.09.0107 NC 4559 Dual Op. Amp. IC14 50.09.0107 NC 4559 Dual Op. Amp. IC15 50.09.0107 NC 4559 Dual Op. Amp. IC16 50.09.0112 NC 4559 Dual Op. Amp. IC17 50.07.0002 AD 7528JN Dual Op. Amp. IC18 50.09.0101 LF 353 Dual Op. Amp. IC19 50.09.0107 NC 4559 Dual Op. Amp. IC20 50.09.0107 NC 4559 Dual Op. Amp. IC21 50.09.0107 NC 4559 Dual Op. Amp. IC22 50.09.0107 NC 4559 Dual Op. Amp. IC23 50.09.0107 NC 4559 Dual Op. Amp. IC24 50.09.0105 NC 5532 Dual Op. Amp. IC25 50.09.0107 NC 4559 Dual Op. Amp. IC26 50.07.0026 AD 7528JN Dual Switch IC27 50.09.0107 NC 4559 Dual Op. Amp. IC28 50.09.0107 NC 4559 Dual Op. Amp. IC29 50.09.0107 NC 4559 Dual Op. Amp. IC20 50.09.0107 NC 4559 Dual Op. Amp. IC25 50.09.0107 NC 4559 Dual Op. Amp. IC26 50.07.0026 AD 7528JN Dual Switch IC27 50.09.0105 NC 5532 Dual Op. Amp. IC28 50.09.0105 NC 5532 Dual Op. Amp. IC29 50.09.0105 NC 5532 Dual Op. Amp. IC24 50.09.0105 NC 5532 Dual Op. Amp. IC25 50.09.0107 NC 4559 Dual Op. Amp. IC26 50.07.0016 NC 5532 Dual Op. Amp. IC27 50.09.0103 NC 5532 Dual Op. Amp. IC28 50.09.0105 NC 5532 Dual Op. Amp. IC29 50.09.0105 NC 5532 Dual Op. Amp. IC20 50.09.0105 NC 5532 Dual Op. Amp. IC21 50.09.0107 NC 5532 Dual Op. Amp. IC25 50.09.0107 NC 5532 Dual Op. Amp. IC26 50.09.0108 NC 5532 Dual Op. Amp. IC27 50.09.0109 NC 5532 Dual Op. Amp. IC28 50.09.0109 NC 5532 Dual	Sig	R138 57.11.3822 8.2 kDha 2%, 0.259, MF R139 58.01.8103 10. kDha 2%, 0.259, MF R140 57.11.3229 2.2 Oha 2%, 0.259, MF R141 57.11.3322 3.3 kDha 2%, 0.259, MF R142 57.11.3332 3.3 kDha 2%, 0.259, MF R143 57.11.3332 3.3 kDha 2%, 0.259, MF R144 57.11.3322 3.3 kDha 2%, 0.259, MF R149 57.11.3322 3.3 kDha 2%, 0.259, MF R149 57.11.3220 22 Oha 2%, 0.259, MF R150 57.11.3220 22 Oha 2%, 0.259, MF R153 57.11.3322 3.3 kDha 2%, 0.259, MF R153 57.11.3322 3.3 kDha 2%, 0.259, MF R153 57.11.3322 2.2 Oha 2%, 0.259, MF R153 57.11.3322 2.2 Oha 2%, 0.259, MF R155 57.11.3320 2.2 Oha 2%, 0.259, MF R155 57.11.3471 470 Oha 2%, 0.259, MF R155 57.11.3472 470 Oha 2%, 0.259, MF R159 57.11.3472 470 Oha 2%, 0.259, MF R159 57.11.3472 470 Oha 2%, 0.259, MF R160 57.11.3472 470 Oha 2%, 0.259, MF R160 57.11.3472 470 Oha 2%, 0.259, MF R160 57.11.3472 470 Oha 2%, 0.259, MF R161 57.11.3472 470 Oha 2%, 0.259, MF R164 57.11.3472 470 Oha 2%, 0.259, MF R165 57.11.3472 470 Oha 2%, 0.259, MF R166 57.11.3472 470 Oha 2%, 0.259, MF R166 57.11.3472 470 Oha 2%, 0.259, MF R167 57.11.3472 470 Oha 2%, 0.259, MF R169 57.11.3472 470 Oha 2%, 0.259, MF R170 57.11.3472 470 Oha 2%, 0.259, MF R170 57.11.3472 470 Oha 2%, 0.259, MF R170 57.11.3472 470 Oha 2%, 0.259, MF R171 57.11.3472 470
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C85	K1 56.04.0144 4AU Relay, 24V, 1200 Oha K2 56.04.0143 2AU Relay, 24V, 1200 Oha K2 56.04.0143 2AU Relay, 24V, 2000 Oha L 2 62.01.0128 1 nH L 3 1.177.231.00 2.4 nH L 4 62.01.0128 1 nH L 4 62.01.0128 1 nH L 6 62.01.0128 1 nH L 7 62.01.0128 1 nH L 8 62.01.020 3 pec Contact Pin JP1 Contact Pin JP2 NP 3 54.01.0020 3 pec Rotate Pin JP3 NP3 54.01.0020 3 pec Rotate Pin JP3 NP3 54.01.0020 3 pec Rotate Pin JP3 NP3 NP3 NP3 NP3 NP3 NP3 NP3 NP3 NP3 N	R64 57.11.3102 1 kOhm 2% 0.25W MF R65 57.11.3104 100 kOhm 2% 0.25W MF R66 57.11.3203 3 kOhm 2% 0.25W MF R66 57.11.3232 3 kOhm 2% 0.25W MF R66 57.11.33302 3 kOhm 2% 0.25W MF R69 57.11.3343 47 kOhm 2% 0.25W MF R70 57.11.3473 47 kOhm 2% 0.25W MF R71 R72 S7.11.3473 47 kOhm 2% 0.25W MF R72 57.11.3473 47 kOhm 2% 0.25W MF R73 57.11.3473 47 kOhm 2% 0.25W MF R74 S7.11.3473 47 kOhm 2% 0.25W MF R75 R76 S7.11.3473 47 kOhm 2% 0.25W MF R77 S7.11.3473 47 kOhm 2% 0.25W MF R77 S7.11.3473 47 kOhm 2% 0.25W MF R78 S7.11.3473 47 kOhm 2% 0.25W MF R79 S7.11.3473 47 kOhm 2% 0.25W MF R79 S7.11.3488 680 Ohm 2% 0.25W MF ST80 57.11.3488 680 Ohm 2% 0.25W MF ST80 57.11.3488 680 Ohm 2% 0.25W MF ST80 57.11.3481 10 kOhm 2% 0.25W MF ST80 57.11.3481 10 kOhm 2% 0.25W MF ST80 57.11.3482 11 kOhm 2% 0.25W MF ST80 57.11.3482 11 kOhm 2% 0.25W MF ST80 57.11.3483 11 kOhm 2% 0.25W MF R80 57.11.3483 11 kOhm 2% 0.25W MF R80 57.11.3483 12 kOhm 2% 0.25W MF R80 57.11.3483 12 kOhm 2% 0.25W MF R80 57.11.3483 14 kOhm 2% 0.25W MF R80 57.11.3483 14 kOhm 2% 0.25W MF R80 57.11.3483 14 kOhm 2% 0.25W MF R80 57.11.3488 660 Ohm 2% 0.25W MF R80 57.11.3488 660 Ohm 2% 0.25W MF R80 57.11.3483 14 kOhm 2% 0.25W MF R80 57.11.3483 14 kOhm 2% 0.25W MF R80 57.11.3483 14 kOhm 2% 0.25W MF R90 57.11.3483 14 kOhm 2% 0.25W MF	R181 57.99.0209 5.6 Oha

D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIV	ALENT
	R218 R219 R220 R221	57.11.5155 57.11.3104 57.11.3103	1.5 MOhm 100 kOhm 10 kOhm	5%, 0.25%, MF 2%, 0.25%, MF, with socket 2%, 0.25%, MF not used			XIC11 XIC12 XIC13 XIC14	53.03.0165 53.03.0168 53.03.0166 53.03.0166	20-Pole 16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
	R222 R223 R224	57.11.3822 57.11.3473 57.11.3682	8.2 kOhm 47 kOhm 6.8 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			XIC15 XIC16 XIC17	53.03.0166 53.03.0168 53.03.0168	8-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket	
	R225 R226 R227 R228	57.11.3393 57.11.3392 57.11.3563 57.11.3333	39 kOhm 3.9 kOhm 56 kOhm 33 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			XIC18 XIC19 XIC20 XIC21	53.03.0168 53.03.0166 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
	R229 R230 R231	57.11.3562 57.11.3683 57.11.3562	5.6 kOhm 68 kOhm 5.6 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			XIC22 XIC23 XIC24	53.03.0166 53.03.0165 53.03.0166	8-Pole 20-Pole 8-Pole	IC Socket IC Socket IC Socket	
	R232 R233 R234 R235	57.11.3333 57.11.3103 57.11.3271 57.11.3273	33 kOhm 10 kOhm 270 Ohm 27 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2 % 0.25W, MF 2%, 0.25W, MF			XIC25 XIC26 XIC27	53.03.0166 53.03.0168 53.03.0166	8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket	
	R236 R237 R238	57.11.3152 57.11.3331 57.11.3103	1.5 kOhm 330 Ohm 10 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R239 R240 R241 R242	57.11.3103 57.11.3102 57.11.3472	1 kOhm 4.7 kOhm	2%, 0.25W, MF not used 2%, 0.25W, MF							
	R243 R244 R245 R246	57.11.3473 57.11.3102 57.11.3222 58.01.8502	47 kOhm 1 kOhm 2.2 kOhm 5 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 10%, 0.5 W, PMG							
	R247 R248 R249 R250	57.11.3821 57.11.3392 57.11.3153	820 Ohm 3.9 kOhm 15 kOhm	2%, 0.25W, MF 2%, 0.25W, MF not used 2%, 0.25W, MF		PP = I		EL = Electron MF = Metal 1 I = Analog Device	Film SI	? = Polyester = Silicon Mot = Motorola	
	R251 R252 R253	57.11.3473 57.11.3472 57.11.3472	47 kOhm 4.7 kOhm 4.7 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			NS Sig	= National Ser g = Signatics	niconductors	Ra = Raytheon St = Studer	
U	R254	57.11.3331 00) 89/07/03 GI	330 Ohm	2%, 0.25%, MF CTRONICS BOARD 2/2VUK PL 1.727.462.8	B3 PAGE 13	ORIG 89)) 89/07/03 GP	AUDIO ELEC	TRONICS BOARD 2/2VUK PL	1.727.462.83 PA
	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	R255 R256	57.11.3102 57.11.3273	1 kOhm 27 kOhm	2%, 0.25W, MF 2%, 0.25W, MF							
	R257 R258 R259 R260	57.11.3102 57.11.3471 57.11.3103 57.11.3221	1 kOhm 470 Ohm 10 kOhm 220 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R261 R262 R263	57.11.3122 57.11.3471 57.11.3223	1.2 kOhm 470 Ohm 22 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF							
	R264 R265 R266 R267	57.11.3222 57.11.3473 57.11.3103 57.11.3682	2.2 kOhm 47 kOhm 10 kOhm 6.8 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF							
	R268 R269 R270 R271	57.11.3682 57.11.3103 57.11.3472 57.11.3122	6.8 kOhm 10 kOhm 4.7 kOhm 1.2 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R272 R273 R274	57.11.3223 57.11.3223 57.11.3473	22 kOhm 22 kOhm 47 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R275 R276 R277 R278	57.11.3223 57.11.3103 57.11.3339 57.11.3103	22 kOhm 10 kOhm 3.3 Ohm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R279 R280 R281 R282	57.11.3103 57.11.3339 57.11.3222 57.11.3222	10 kOhm 3.3 Ohm 2.2 kOhm 2.2 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R283 R284 R285 R286	57.11.3339 57.11.3103 57.11.3103 57.11.3339	3.3 Ohm 10 kOhm 10 kOhm 3.3 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R287 R288 R289	57.11.3472 57.11.3103 57.11.3471	4.7 kOhm 10 kOhm 470 Ohm 390 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R290 R291 E.R. (0	57.11.3391 57.11.3152 0) 89/07/03 GP	1.5 kOhm	2%, 0.25W, MF 2%, 0.25W, MF TRONICS BOARD 2/2VUK PL 1.727.462.8	3 PAGE 14						
	POS.NO.	PART NO. 57.92.1151	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.						
	R293 R294 R295 R296	57.11.3180 57.11.3470 57.11.3223 57.11.3105	18 Ohm 47 Ohm 22 kOhm 1 MOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
	R297 I2 I3	57.11.3472 1.022.451.00 1.022.271.00	4.7 kOhm 1:0.62	2%, 0.25%, MF Line Input Trafo Erase Trafo	St St						
	T4 T5 T6	1.022.272.00 1.022.402.00 1.022.355.00	1:10	Bias Trafo Sync Trafo Line Output Trafo	St St St						
	TP1 TP2 TP3	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP						
	TP4 TP5 TP6 TP7	54.02.0320 54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP AMP						
	W3 W4 W5	64.01.0106 64.01.0106		Wire Bridge not used Wire Bridge							
	W6 W7 W8	64.01.0106 64.01.0106		not used Wire Bridge Wire Bridge							
	XIC2 KIC3	53.03.0166 53.03.0168 53.03.0166	8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket							
	KIC4	53.03.0166	O-Pole	IC Socket IC Socket							
		53.03.0166 53.03.0166 53.03.0168	8-Pole 8-Pole 16-Pole	IC Socket IC Socket							

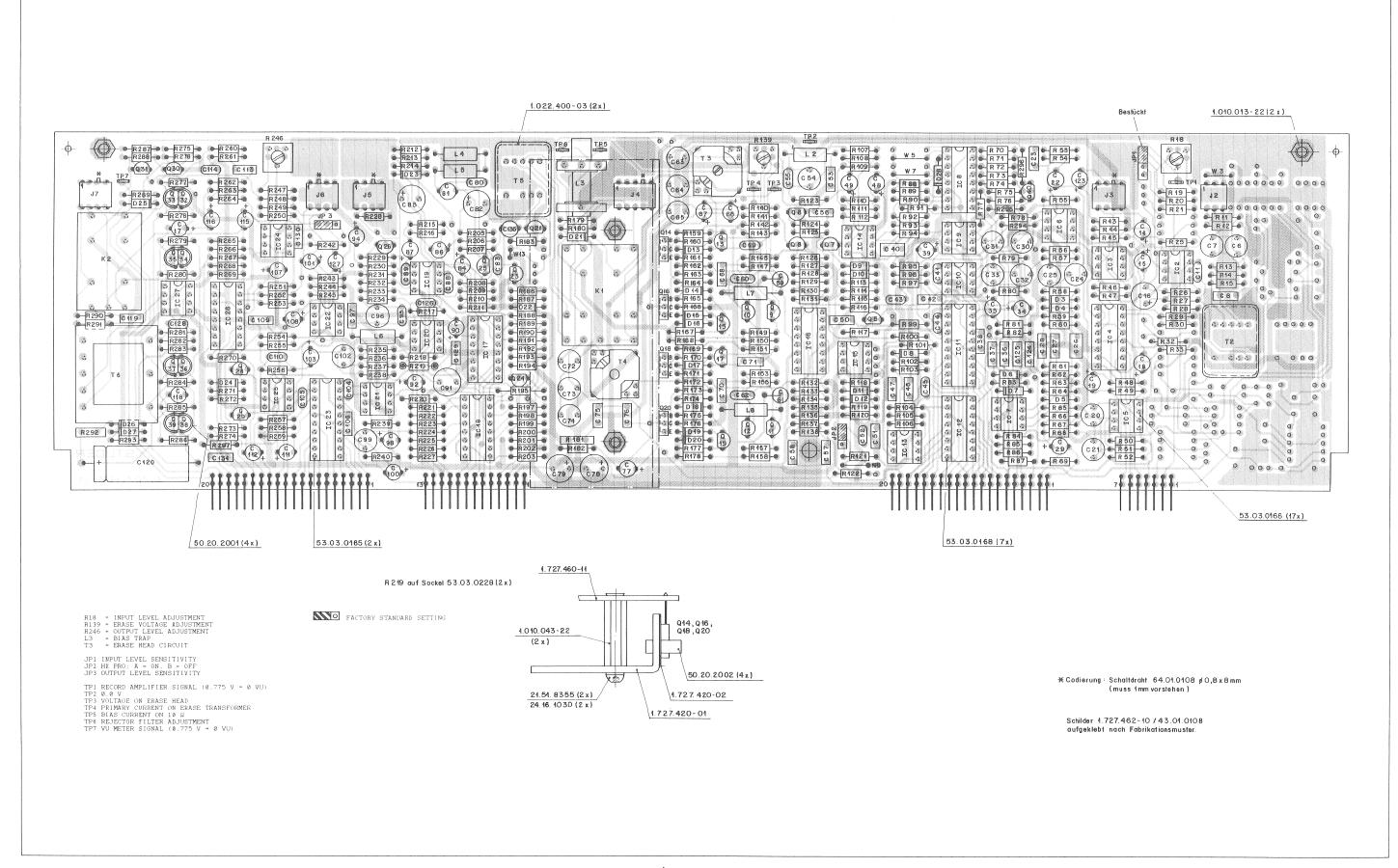
AUDIO ELECTRONICS BOARD 2/2 VUK 1.727.462.84 -AUDIO ELECTRONICS BOARD 2/2 VUK,HS 1.727.467.83



AUDIO ELECTRONICS BOARD 2/2 VUK 1.727.462.84 -AUDIO ELECTRONICS BOARD 2/2 VUK,HS 1.727.467.83

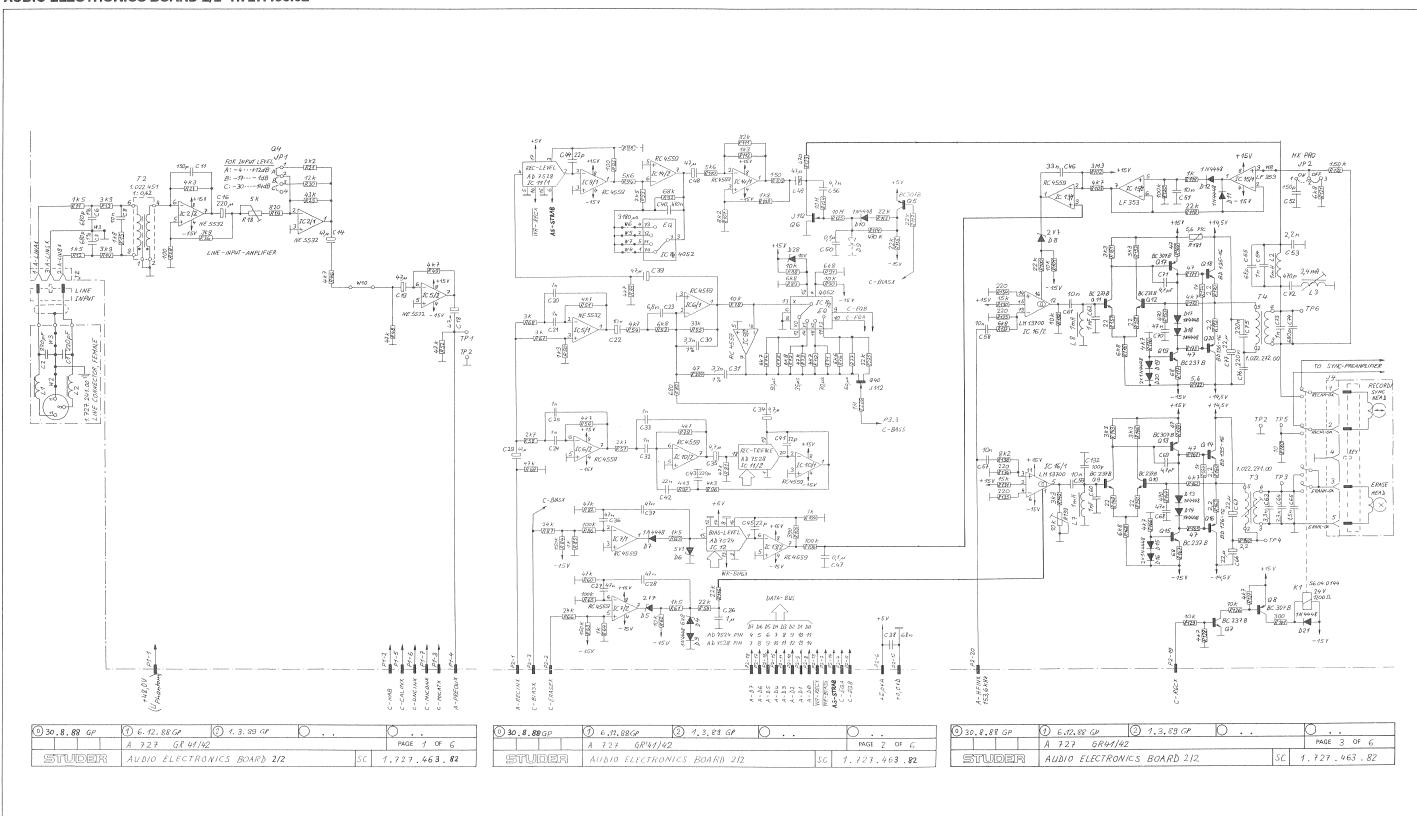


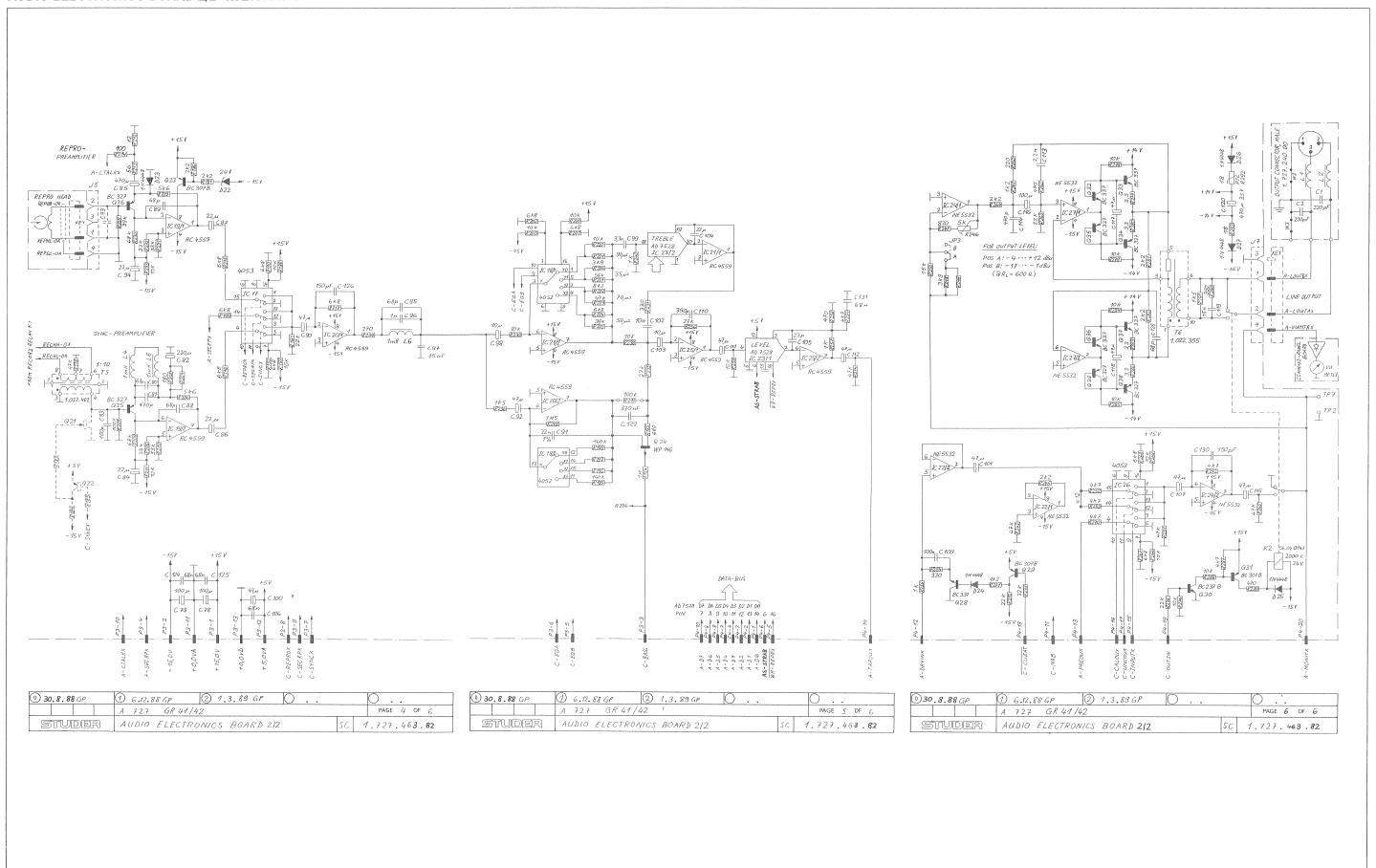
AUDIO ELECTRONICS BOARD 2/2 VUK 1.727.462.84 -AUDIO ELECTRONICS BOARD 2/2 VUK.HS 1.727.467.83

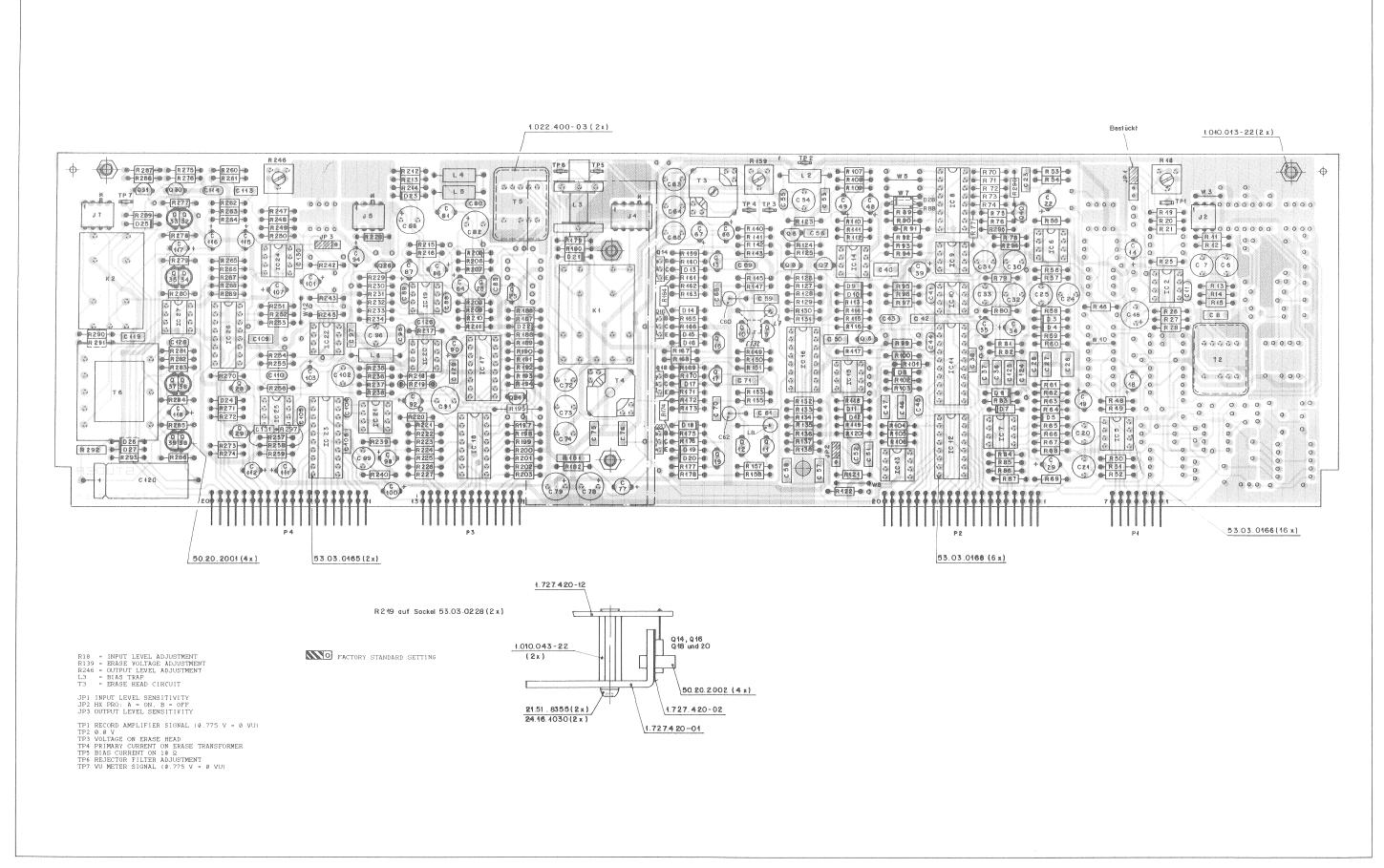


IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF. C6 59.05.1681 680 pF 1x 50V PP C7 59.05.1681 680 pF 1x 50V PP C7 59.05.1681 680 pF 1x 50V PP C8 59.05.1681 680 pF 1x 50V PP C8 199.06.0103 10 nF 10X 50V PETP C8 199.06.0103 110 nF C8 199.06.0103 10 nF C8 199.06.0105 10 nF C.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANI C124 59.06.0683 68 nF 10% 50V PETP C125 59.06.0683 68 nF 10% 50V PETP C126 59.34.4151 150 pF 10% 50V Cer C127 59.22.4879 48 nF 10% 50V Cer C129 59.06.5334 330 nF 5% 50V PETP C130 59.34.4151 150 pF 10% 50V Cer C131 59.06.0533 68 nF 10% 50V Cer C131 59.06.0533 68 nF 10% 50V PETP C131 59.06.0533 68 nF 10% 50V PETP C131 59.06.0533 68 nF 10% 50V PETP C131 59.06.0531 100 nF -20% 10V EL D4 50.04.1102 6.8 V 5% 0.44 Zener D5 50.04.1102 6.8 V 5% 0.48 Zener D6 50.04.1112 5.1 V 5% 0.48 Zener D6 50.04.1112 5.1 V 5% 0.48 Zener D6 50.04.1106 2.7 V 5% 0.48 Zener D9 net used D9 10 50.04.0125 1N4448 50V SI D9 10 50.04.0125 1N4448 50V SI D10 50.04.0125 1N4448 50V SI D11 50.04.0125 1N4448 50V SI D12 50.04.0125 1N4448 50V SI D13 50.04.0125 1N4448 50V SI D14 50.04.0125 1N4448 50V SI D15 50.04.0125 1N4448 50V SI D16 50.04.0125 1N4448 50V SI D17 50.04.0125 1N4448 50V SI D18 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D14 50.04.0125 1N4448 50V SI D15 50.04.0125 1N4448 50V SI D16 50.04.0125 1N4448 50V SI D17 50.04.0125 1N4448 50V SI D18 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D20 50.04.0125 1N4448 50V SI D21 50.04.0125 1N4448 50V SI D22 50.04.1121 24 V 5% 0.44 Zener D22 50.04.1121 24 V 5% 0.44 Zener D24 50.04.0125 1N4448 50V SI D25 50.04.0125 1N4448 50V SI D26 50.04.0125 1N4448 50V SI D27 50.04.0125 1N4448 50V SI D28 50.04.0125 1N4448 50V SI D29 50.04.0125 1N4448 5	08 50.03.0515 BC307B BC557B, BC560B PNP BC507B BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN BC557B, BC547B, BC550B NPN BC557B, BC547B, BC550B NPN BC557B, BC557B, BC560B NPN BC557B, BC557B, BC560B NPN BC557B, BC557B, BC560B NPN BC557B, BC557B, BC557B, BC560B NPN BC557B, BC557B, BC557B, BC557B, BC560B PNP BC557B, BC5	R101 57.11.3103 10 kOha 2% 0.25% MF R102 57.11.5303 3.3 HOha 5% 0.25% MF R104 57.11.3102 1 kOha 2% 0.25% MF R105 57.11.3391 390 0ha 2% 0.25% MF R106 57.11.3193 1390 0ha 2% 0.25% MF R106 57.11.3192 8.2 kOha 2% 0.25% MF R107 57.11.3182 1 kB kOha 2% 0.25% MF R108 57.11.3182 1 kB kOha 2% 0.25% MF R109 57.11.3182 1 kB kOha 2% 0.25% MF R111 57.11.323 1 kB kOha 2% 0.25% MF R111 57.11.323 1 kB kOha 2% 0.25% MF R112 57.11.3132 1 kB kOha 2% 0.25% MF R113 57.11.323 2 kB kOha 2% 0.25% MF R114 57.11.323 2 kB kOha 2% 0.25% MF R115 57.11.323 2 kB kOha 2% 0.25% MF R116 57.11.323 2 kB kOha 2% 0.25% MF R117 57.11.323 2 kB kOha 2% 0.25% MF R118 57.11.323 2 kB kOha 2% 0.25% MF R118 57.11.323 2 kB kOha 2% 0.25% MF R119 57.11.3102 1 kB kOha 2% 0.25% MF R119 57.11.3103 1 kB kOha 2% 0.25% MF R120 57.11.3104 100 kOha 2% 0.25% MF R121 57.11.303 1 kB kOha 2% 0.25% MF R122 57.11.3104 100 kOha 2% 0.25% MF R123 57.11.3103 1 kB kOha 2% 0.25% MF R124 57.11.3103 1 kB kOha 2% 0.25% MF R125 57.11.3103 1 kB kOha 2% 0.25% MF R126 57.11.3104 100 kOha 2% 0.25% MF R127 57.11.3104 100 kOha 2% 0.25% MF R128 57.11.3106 1 kB kB 2% 0.25% MF R129 57.11.3106 1 kB kB 2% 0.25% MF R129 57.11.3106 1 kB kB 2% 0.25% MF R129 57.11.3107 100 kB 2% 0.25% MF R129 57.11.3108 100 kB 2% 0.25% MF R129 57.11.3108 100 kB 2% 0.25% MF R129 57.11.3106 100 kB 2% 0.25% MF R131 57.11.3106 100 kB 2% 0.25% MF R131 57.11.3106 1
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C48 59.22.3470 47 uF -20X 10V EL C49 59.22.3470 47 uF -20X 10V EL C49 59.22.3470 47 uF -20X 10V EL C50 59.06.0104 100 nF 10X 50V PETP C51 59.06.0102 10 nF 10X 50V PETP C52 59.06.0102 1 nF 10X 50V PETP C54 59.05.2102 1 nF 2.5X 50V PP C55 59.34.4680 68 pF 10X 50V PETP C56 59.06.0103 10 nF 10X 50V PETP C57 59.06.0103 10 nF 10X 50V PETP C58 59.06.0103 10 nF 10X 50V PETP C59 59.34.4680 68 pF 10X 50V PETP C59 39.12.9102 60 pF 10X 50V PETP C59 59.34.4680 68 pF 5X 50V PP C59 59.35.22 5X	IC 2	R. 15 57.11.3182 1.8 kChm 27, 0.25W, MF R. 18 58.01.8502 5 kChm 10%, 0.5 M, PMG R. 19 57.11.3821 020 Chm 2%, 0.25W, MF R. 19 57.11.3821 12 kChm 2%, 0.25W, MF R. 20 57.11.3123 12 kChm 2%, 0.25W, MF R. 21 57.11.3432 2.2 kChm 2%, 0.25W, MF R. 22 6 kCm 2%, 0.25W, MF R. 24 kCm 2%, 0.25W, MF R. 25 kCm, 0.25W, MF R. 24 kCm 2%, 0.25W, MF R. 25 kCm, 0.25W, MF	R138
IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT KANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANU		IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
C85 59.22.2471 470 uF -20X 6.3V EL C86 59.22.5220 22 uF -20X 25V EL C87 59.22.5220 22 uF -20X 25V EL C87 59.22.5220 22 uF -20X 25V EL C88 59.34.4680 68 pF 10X 50V Cer C99 59.34.4101 100 pF 5X 50V Cer C99 59.34.101 100 pF 5X 50V Cer C91 59.05.1223 22 nF 12X 50V FF C92 59.25.1200 10 uF 20X 10V EL C94 59.22.5220 22 uF -20X 25V EL C95 59.34.4680 68 pF 10X 50V Cer C96 59.05.2103 10 uF 20X 50V Cer C97 59.05.1213 15 nF 10X 50V FF C97 59.05.123 15 nF 10X 50V FF C99 59.22.6100 10 uF 20X 50V FF C99 59.22.6100 10 uF 20X 50V FF C99 59.05.2103 10 nF 2.5X 50V PF C99 59.05.2103 10 nF 2.5X 50V PF C99 59.05.2103 10 nF 20X 50V FF C99 59.05.2103 10 nF 20X 50V FF C101 59.05.2103 10 nF 2.5X 50V FF C102 59.05.2103 10 nF 2.5X 50V FF C103 59.22.6100 10 uF 20X 50V Cer C104 59.34.2220 22 pF 10X 50V Cer C105 59.34.2220 22 pF 10X 50V Cer C106 59.05.05.683 68 nF 10X 50V Cer C107 59.22.3470 47 uF 20X 10V EL C108 59.22.3470 47 uF 20X 10V EL C111 59.22.3470 47 uF 20X 10V EL C112 59.22.3470 47 uF 20X 10V EL C112 59.22.3470 47 uF 20X 10V EL C113 59.05.022 2.2.7 f 10X 50V Cer C114 59.22.3470 47 uF 20X 10V EL C115 59.22.3470 47 uF 20X 10V EL C116 59.22.3470 47 uF 20X 10V EL C117 59.22.3470 47 uF 20X 10V EL C118 59.05.0212 100 uF 20X 10V EL C119 59.05.22.3470 47 uF 20X 10V EL C111 59.22.3470 47 uF 20X 10V EL C112 59.22.3470 47 uF 20X 10V EL C113 59.05.022 2.2.7 f 10X 50V Cer C114 59.22.3470 47 uF 20X 10V EL C115 59.22.3470 47 uF 20X 10V EL C116 59.22.3470 47 uF 20X 10V EL C117 59.22.3470 47 uF 20X 10V EL C118 59.05.023 15 nF 10X 50V Cer C119 59.05.23470 47 uF 20X 10V EL C119 59.06.0153 15 nF 10X 50V Cer C120 59.25.5471 470 uF 20X 10V EL C121 59.22.3470 47 uF 20X 10V EL C121 59.22.3470 47 uF 20X 10V EL C123 59.25.5471 470 uF 20X 10V EL C123 59.25.	R	R	R181 57.99.0209 5.6 Oha 2%, 0.25W, MF R182 57.11.3569 5.6 Oha 2%, 0.25W, MF R183 57.11.3105 1 NOha 2%, 0.25W, MF R184 not used not used not used not used R185 7.11.3222 2.2 kOha 2%, 0.25W, MF R189 57.11.3222 2.2 kOha 2%, 0.25W, MF R189 57.11.3622 6.8 kOha 2%, 0.25W, MF R189 57.11.3622 6.8 kOha 2%, 0.25W, MF R191 57.11.3623 6.8 kOha 2%, 0.25W, MF R192 57.11.3623 6.8 kOha 2%, 0.25W, MF R193 57.11.3623 6.8 kOha 2%, 0.25W, MF R194 57.11.3103 10 kOha 2%, 0.25W, MF R195 57.11.3662 6.8 kOha 2%, 0.25W, MF R197 57.11.3662 6.8 kOha 2%, 0.25W, MF R198 57.11.3103 1 NOha 2%, 0.25W, MF R199 57.11.3662 6.8 kOha 2%, 0.25W, MF R197 57.11.3662 6.8 kOha 2%, 0.25W, MF R198 57.11.3662 6.8 kOha 2%, 0.25W, MF R199 57.11.3224 220 kOha 2%, 0.25W, MF R200 57.11.3663 6.8 kOha 2%, 0.25W, MF R200 57.11.3663 6.8 kOha 2%, 0.25W, MF R201 57.11.3662 6.8 kOha 2%, 0.25W, MF R202 57.11.3662 6.8 kOha 2%, 0.25W, MF R203 57.11.3103 10 kOha 2%, 0.25W, MF R204 57.11.3662 6.8 kOha 2%, 0.25W, MF R205 57.11.3662 6.8 kOha 2%, 0.25W, MF R206 57.11.3662 6.8 kOha 2%, 0.25W, MF R207 57.11.3662 6.8 kOha 2%, 0.25W, MF R208 57.11.3103 10 kOha 2%, 0.25W, MF R209 57.11.3104 100 kOha 2%, 0.25W, MF R206 57.11.3663 68 kOha 2%, 0.25W, MF R207 57.11.3663 68 kOha 2%, 0.25W, MF R208 57.11.3104 100 kOha 2%, 0.25W, MF R209 57.11.3104 100 kOha 2%, 0.25W, MF R209 57.11.3103 33 3 kOha 2%, 0.25W, MF R209 57.11.3104 100 kOha 2%, 0.25W, MF R201 57.11.3103 10 kOha 2%, 0.25W, MF R202 57.11.3104 100 kOha 2%, 0.25W, MF R204 57.11.3103 10 kOha 2%, 0.25W, MF R205 57.11.3104 100 kOha 2%, 0.25W, MF R206 57.11.3104 100 kOha 2%, 0.25W, MF R207 57.11.3104 100 kOha 2%, 0.25W, MF R208 57.11.3100 100 kOha 2%, 0.25W, MF R215 57.11.3662 6.8 kOha 2%, 0.25W, MF R216 57.11.3662 6.8 kOha 2%, 0.25W, MF R217 57.11.3662 6.8 kOha 2%, 0.25W, MF R218 57.11.3662 6.8 kOha 2%, 0.25W, MF

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE		VALENT MA
	R218 R219 R220 R221	57.11.3394 57.11.3104 57.11.3103	390 kOhm 100 kOhm 10 kOhm	5%, 0.25W, MF 2%, 0.25W, MF, with socket 2%, 0.25W, MF not used		XIC8 XIC9 XIC10 XIC11	53.03.0168 53.03.0166 53.03.0166 53.03.0165	16-Pole 8-Pole 8-Pole 20-Pole	IC Socket IC Socket IC Socket IC Socket	
	R222 R223 R224	57.11.3822 57.11.3473 57.11.3682	8.2 kOhm 47 kOhm 6.8 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		XIC12 XIC13 XIC14	53.03.0168 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket	
	R225 R226 R227 R228	57.11.3393 57.11.3392 57.11.3563 57.11.3333	39 kOhm 3.9 kOhm 56 kOhm 33 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		XIC15 XIC16 XIC17 XIC18	53.03.0166 53.03.0168 53.03.0168 53.03.0168	8-Pole 16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket	
	R229 R230 R231 R232	57.11.3562 57.11.3683 57.11.3562 57.11.3333	5.6 kOhm 68 kOhm 5.6 kOhm 33 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		XIC19 XIC20 XIC21 XIC22	53.03.0166 53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket	
	R233 R234 R235 R236	57.11.3103 57.11.3271 57.11.3273 57.11.3152	10 kOhm 270 Ohm 27 kOhm 1.5 kOhm	2%, 0.25%, HF 2 % 0.25%, HF 2%, 0.25%, HF 2%, 0.25%, HF		XIC23 XIC24 XIC25 XIC26	53.03.0165 53.03.0166 53.03.0166 53.03.0168	20-Pole 8-Pole 8-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket	
	R237 R238 R239/	57.11.3331 57.11.3103 57.11.3103	330 Ohm 10 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		XIC27	53.03.0166	8-Pole	IC Socket	
	R240 R241 R242 R243 R244	57.11.3102 57.11.3472 57.11.3473 57.11.3102	1 kOhm 4.7 kOhm 47 kOhm 1 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R245 R246 R247	57.11.3222 58.01.8502 57.11.3821	2.2 kOhm 5 kOhm 820 Ohm	2%, 0.25%, MF 10%, 0.5 %, PMG 2%, 0.25%, MF 2%, 0.25%, MF		Cer = Ceramic PP = Polypropylen	EL = Electro	lytic PETP	= Polyester = Silicon	
	R248 R249 R250 R251	57.11.3392 57.11.3153 57.11.3473	3.9 kOhm 15 kOhm 47 kOhm	not used 2%, 0.25%, MF 2%, 0.25%, MF		MANUFACTURER: ADI	= Analog Device = National Sem	es Inc.	Mot = Motorola Ra = Raytheon	
	R252 R253 R254	57.11.3472 57.11.3472 57.11.3331	4.7 kOhm 4.7 kOhm 330 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		ORIG 90/03/12 (0			St = Studer	
TU	DER (OI	.) 90/09/25 GP	AUDIO ELEC	TRONICS BOARD 2/2VUK PL 1.727.462.8	84 PAGE 13	STUDER (01)	90/09/25 GP	AUDIO ELECT	RONICS BOARD 2/2VUK PI	. 1.727.462.84 PAGE
		PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.					
	R255 R256 R257 R258	57.11.3102 57.11.3273 57.11.3102 57.11.3471	1 kOhm 27 kOhm 1 kOhm 470 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF						
	R259 R260 R261 R262	57.11.3103 57.11.3221 57.11.3122 57.11.3471	10 kOhm 220 Ohm 1.2 kOhm 470 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R263 R264 R265 R266	57.11.3223 57.11.3222 57.11.3473 57.11.3103	22 kOhm 2.2 kOhm 47 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R267 R268 R269 R270	57.11.3682 57.11.3682 57.11.3103 57.11.3472	6.8 kOhm 6.8 kOhm 10 kOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R271 R272 R273 R274	57.11.3122 57.11.3223 57.11.3223 57.11.3473	1.2 kOhm 22 kOhm 22 kOhm 47 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R275 R276 R277 R278	57.11.3223 57.11.3103 57.11.3339 57.11.3103	22 kOhm 10 kOhm 3.3 Ohm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R279 R280 R281 R282	57.11.3103 57.11.3339 57.11.3222 57.11.3222	10 k0hm 3.3 Ohm 2.2 k0hm 2.2 k0hm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R283 R284 R285 R286	57.11.3339 57.11.3103 57.11.3103 57.11.3339	3.3 Ohm 10 kOhm 10 kOhm 3.3 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	R287 R288 R289 R290	57.11.3472 57.11.3103 57.11.3471 57.11.3391	4.7 kOhm 10 kOhm 470 Ohm 390 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
r u :	R291	57.11.3152	1.5 kOhm	2%, 0.25%, MF TRONICS BOARD 2/2VUK PL 1.727.462.8	4 PAGE 14					
n.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.					
	R292 R293	57.92.1151 57.11.3180	18 Ohm 18 Ohm	150mA, PTC 2%, 0.25W, MF						
	R294 R295 R296 R297	57.11.3470 57.11.3223 57.11.3105 57.11.3472	47 Ohm 22 kOhm 1 MOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF						
	ТЭ Т4	1.022.451.00 1.022.271.00 1.022.272.00	1:0.62	Line Input Trafo Erase Trafo Bias Trafo	St St St					
	T6 TP1	1.022.402.00 1.022.355.00 54.02.0320	1:10	Sync Trafo Line Output Trafo Plug 2.8*0.8	St St AMP					
	TP2 TP3 TP4 TP5	54.02.0320 54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP AMP					
	TP6 TP7	54.02.0320 54.02.0320 64.01.0106		Plug 2.8*0.8 Plug 2.8*0.8 Wire Bridge	AMP AMP					
	W5 W6 W7	64.01.0106 64.01.0106		not used Wire Bridge not used Wire Bridge						
	W8 W13 XIC2	64.01.0106 1.010.329.64 53.03.0166	8-Pole	Wire Bridge Wire Bridge IC Socket						
0) 1) 0)	XIC3 XIC3 XIC4 XIC4	53.03.0168 53.03.0166 53.03.0166 53.03.0168	16-Pole 8-Pole 8-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket						
	XIC5 XIC6	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket						



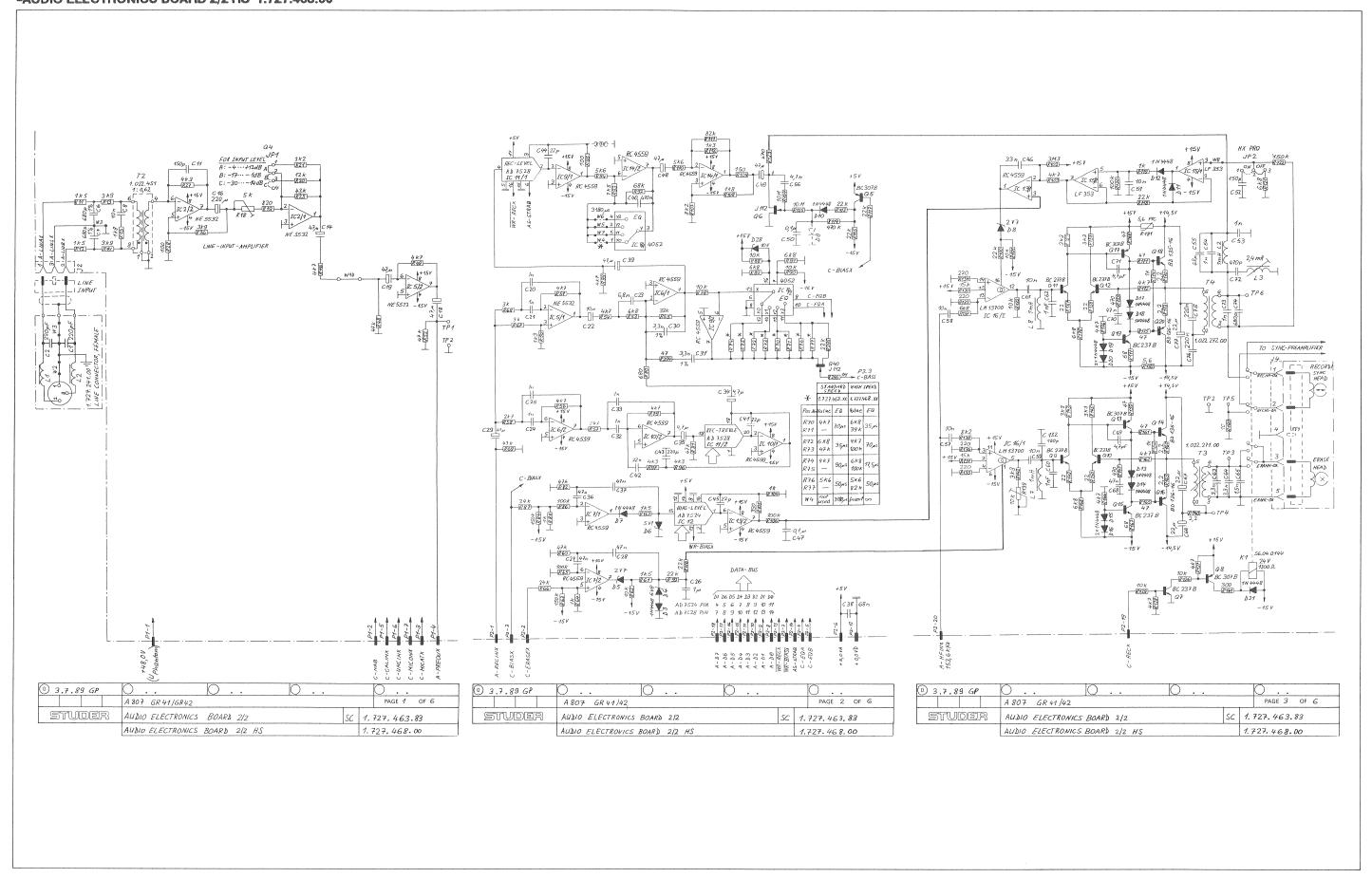




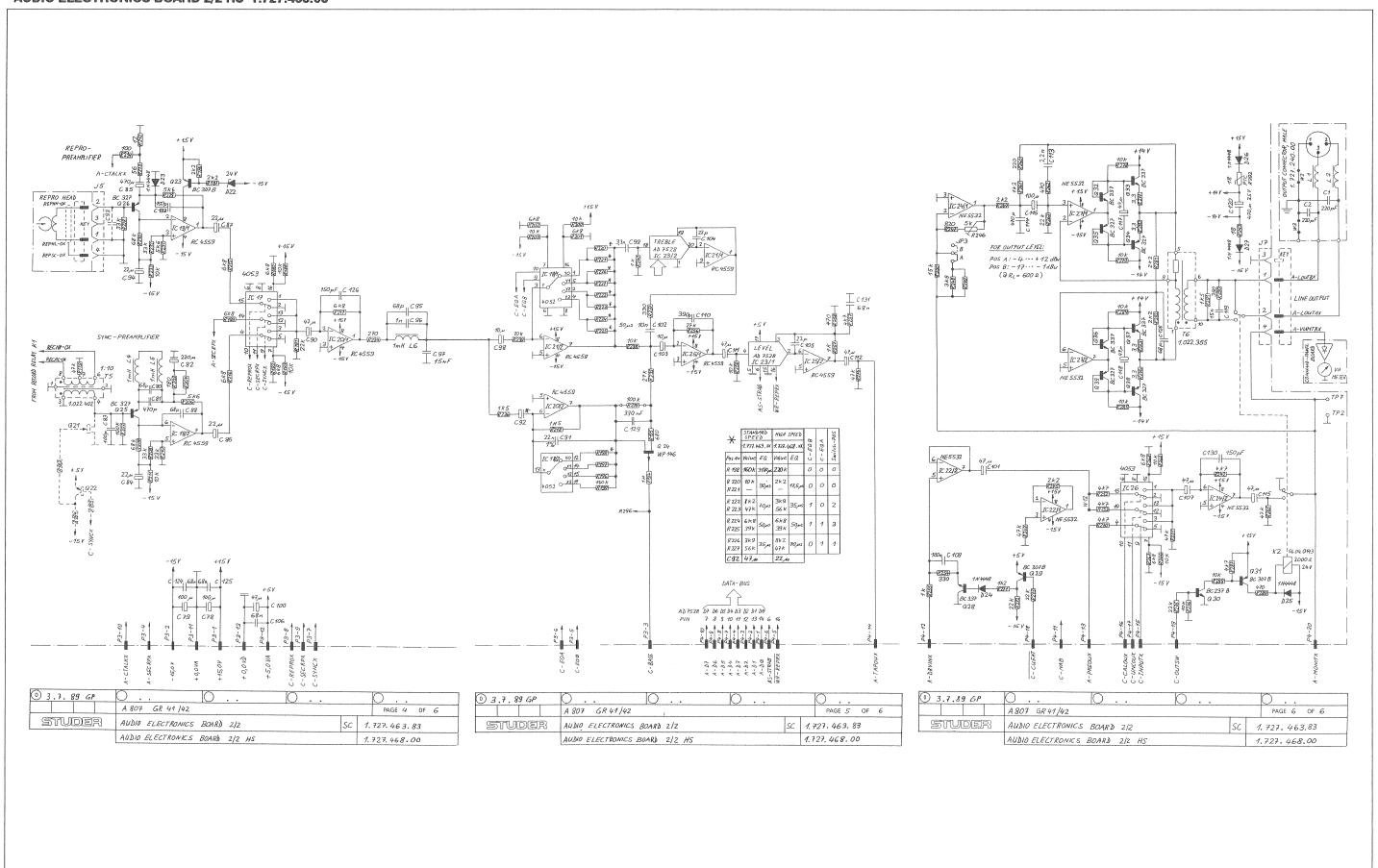
IND. POS.NO. PART N	NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HAW	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HANUF.
C	Sell 680 pF 12 50V PP 101 50V PP 101 680 pF 12 50V PP 101 680 pF 12 50V PP 101 680 pF 12 50V PP 101 680 pF 102 50V PETP 105 50V PP	C128 59.34.4680 68 pF 10% 50V Cer C129 59.06.5334 330 nF 5% 50V Cer C130 59.34.4151 150 pF 10% 50V Cer C131 59.06.0639 68 nF 10% 50V Cer C131 59.06.0639 68 nF 10% 50V Cer D132 59.34.4101 100 pF 5% 50V Cer D4 50.04.1102 6.8 V 5% 0.4W Zener D5 50.04.1102 6.8 V 5% 0.4W Zener D6 50.04.1112 5.1 V 5% 0.4W Zener D7 50.04.0125 1N4448 50V SI D8 50.04.1106 2.7 V 5% 0.4W Zener D10 50.04.1112 5.1 V 5% 0.4W Zener D7 50.04.0125 1N4448 50V SI D9 V 5% 0.4W Zener D10 50.04.0125 1N4448 50V SI D11 50.04.0125 1N4448 50V SI D12 50.04.1106 2.7 V 5% 0.4W Zener D10 50.04.0125 1N4448 50V SI D11 50.04.0125 1N4448 50V SI D12 50.04.0125 1N4448 50V SI D14 50.04.0125 1N4448 50V SI D15 50.04.0125 1N4448 50V SI D16 50.04.0125 1N4448 50V SI D17 50.04.0125 1N4448 50V SI D18 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D16 50.04.0125 1N4448 50V SI D17 50.04.0125 1N4448 50V SI D18 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D18 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D18 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D18 50.04.0125 1N4448 50V SI D19 50.04.0125 1N4448 50V SI D20 50.04.0125 1N4448 50V SI D21 50.04.0125 1N4448 50V SI D22 50.04.111 24 V 5% 0.4W Zener D20 50.04.0125 1N4448 50V SI D22 50.04.111 24 V 5% 0.4W Zener D22 50.04.111 24 V 5% 0.4W Zener D24 50.04.0125 1N4448 50V SI D25 50.04.0125 1N4448 50V SI D26 50.04.0125 1N4448 50V SI D27 50.04.0125 1N4448 50V SI D28 50.04.0125 1N4448 50V SI D29 50.04.0125 1N4448 50V SI D20 50.04.0125 1N4448 50V SI D22 50.04.0125 1N4448 50V SI D23 50.04.0125 1N4448 50V SI D24 50.04.0125 1N4448 50V SI D25 50.04.0125 1N448 50V SI D26 50.04.0125 1N448 50V SI D27 50.04.0125 1N448 50V SI D28 50.04.0125 1N448 50V SI D29 50.04.0125 1N448 50V SI D20 50.04.0125 1N448 50V SI D20 50.04.	Q16 50.03.0510 BD136-16 Q17 50.03.0515 BC307B BC357B, BC560B PRF Q19 50.03.0495 BD139-16 Q21 50.03.0510 BD139-16 Q22 1	R 120
IND. FOS.NO. PART N		IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANU	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.MO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
C49 59.22.34 C50 59.06.01 C51 59.06.01 C52 59.06.01 C53 59.06.01 C53 59.06.01 C54 59.06.01 C55 59.06.01 C55 59.06.01 C56 59.06.01 C57 59.06.01 C58 59.06.01 C59 59.06.01 C59 59.06.01 C60 59.10.01 C62 59.10.01 C63 59.05.23 C64 59.05.23 C65 59.05.23 C64 59.05.23 C65 59.05.23 C65 59.05.23 C66 59.05.23 C67 59.22.62 C67 59.22.62 C68 59.06.04 C71 59.05.04 C71 59.05.04 C71 59.05.16 C74 59.05.16 C75 59.05.11 C74 59.05.16 C75 59.05.11 C76 59.05.21 C77 59.05.11 C78 59.22.62 C79 59.22.62 C79 59.22.62 C79 59.22.62 C79 59.22.62 C79 59.22.62 C79 59.05.21 C81 59.05.24 C81 59.05.24 C81 59.05.24 C81 59.05.24 C83 59.34.41 C81 59.02.25 C83 59.34.41 C81 59.02.25		IC8 50.07.0024 MC 14052 CMOS Analog Switch MC 14052 CMOS Analog Switch MC 14052 Dwal Op. Amp. PAP. PAP. PAP. PAP. PAP. PAP. PAP. PA	R	R163 57.11.3229 2.2 Oha 2% 0.25% NF R164 57.11.3102 1 NOha 2% 0.25% NF R165 57.11.3470 47 Oha 2% 0.25% NF R166 57.11.3470 47 Oha 2% 0.25% NF R166 57.11.3472 47 Oha 2% 0.25% NF R168 57.11.3472 47 Oha 2% 0.25% NF R168 57.11.3472 47 Oha 2% 0.25% NF R169 57.11.3470 47 Oha 2% 0.25% NF R170 57.11.3229 2.2 Oha 2% 0.25% NF R171 57.11.3470 47 Oha 2% 0.25% NF R173 57.11.3470 47 Oha 2% 0.25% NF R174 57.11.3472 4.7 Koha 2% 0.25% NF R175 57.11.3472 4.7 Koha 2% 0.25% NF R176 57.11.3472 4.7 Koha 2% 0.25% NF R178 57.11.3680 6.8 Oha 2% 0.25% NF R179 57.11.3470 10 Oha 2% 0.25% NF R179 57.11.3473 47 Koha 2% 0.25% NF R179 57.11.3473 47 Koha 2% 0.25% NF R179 57.11.3473 47 Koha 2% 0.25% NF R181 57.95.0299 5.6 Oha 2% 0.25% NF R181 57.11.3582 6.8 Koha 2% 0.25% NF R181 57.11.3682 6.8 Koha 2% 0.25% NF R181 57.11.3682 6.8 Koha 2% 0.25% NF R184 R185 57.11.3522 2.2 koha 2% 0.25% NF R184 R185 57.11.3622 6.8 Koha 2% 0.25% NF R184
IND. POS.NO. PART N	NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HAN		IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
C86 59.22.57 C87 59.22.57 C88 59.34.46 C89 59.34.46 C90 59.34.46 C90 59.22.33 C91 59.05.12 C92 59.05.12 C93 59.22.33 C93 59.22.34 C95 59.34.46 C95 59.05.22 C96 59.05.22 C97 59.06.01 C98 59.22.34 C100 59.22.34 C100 59.22.34 C100 59.22.34 C100 59.22.34 C101 59.22.34 C102 59.36.20 C103 59.22.34 C104 59.36.36 C105 59.34.22 C106 59.06.06 C107 59.22.34 C108 59.22.34 C111 59.36.36 C111 59.36.36 C111 59.36.36 C111 59.36.36 C111 59.36.36 C111 59.22.34 C112 59.22.34 C113 59.22.34 C114 59.22.34 C115 59.22.34 C116 59.22.34 C117 59.22.34 C118 59.22.34 C118 59.22.34 C119 59.06.06 C125 59.06.06 C125 59.06.06 C125 59.06.06 C125 59.06.06 C126 59.34.41	220	L 6 6.2.01.0128	R83 57.11.3152 1.5 kOhm 2% 0.25W MF R84 57.11.3154 150 kOhm 2% 0.25W MF R85 57.11.3100 100 kOhm 2% 0.25W MF R887 57.11.3100 100 kOhm 2% 0.25W MF R889 57.11.3100 100 kOhm 2% 0.25W MF R899 57.11.3061 100 kOhm 2% 0.25W MF R899 57.11.3062 6.8 kOhm 2% 0.25W MF R991 57.11.3062 6.8 kOhm 2% 0.25W MF R991 57.11.3062 6.8 kOhm 2% 0.25W MF R992 57.11.3062 6.8 kOhm 2% 0.25W MF R993 57.11.3362 7.5 kOhm 2% 0.25W MF R993 57.11.3362 7.5 kOhm 2% 0.25W MF R994 57.11.3362 7.5 kOhm 2% 0.25W MF R995 57.11.3362 4.3 kOhm 2% 0.25W MF R996 57.11.3372 4.3 kOhm 2% 0.25W MF R996 57.11.3332 4.3 kOhm 2% 0.25W MF R998 1.05 kOhm 2% 0.25W MF R998 1.05 kOhm 2% 0.25W MF R999 57.11.3472 4.3 kOhm 2% 0.25W MF R990 57.11.3432 4.3 kOhm 2% 0.25W MF R990 1.05 kOhm 2% 0.25W MF R991 57.11.3432 4.3 kOhm 2% 0.25W MF R991 57.11.3432 4.4 kOhm 2% 0.25W MF R991 57.11.3432 4.5 kOhm 2% 0.25W MF R991 57.11.3432 4.5 kOhm 2% 0.25W MF R991 57.11.3432 4.5 kOhm 2% 0.25W MF R100 57.11.3432 3.3 MOhm 2% 0.25W MF R101 57.11.3432 3.3 MOhm 2% 0.25W MF R102 57.11.3432 3.3 MOhm 2% 0.25W MF R104 57.11.3432 3.3 MOhm 2% 0.25W MF R105 57.11.3391 399 Ohm 2% 0.25W MF R106 57.11.3391 399 Ohm 2% 0.25W MF R107 57.11.3432 3.2 kOhm 2% 0.25W MF R108 57.11.3432 3.2 kOhm 2% 0.25W MF R109 57.11.3432 3.2 kOhm 2% 0.25W MF R101 57.11.3472 4.7 kOhm 2% 0.25W MF R101 57.11.3472 4.7 kOhm 2% 0.25W MF R101 57.11.3472 3.2 kOhm 2% 0.25W MF R101 57.11.3472 4.7 kOhm 2% 0.25W MF R101 57.11.3472 3.2 kOhm 2% 0.25W MF R101 57.11.3472 3.2 kOhm 2% 0.25W MF R101 57.11.3474 470 kOhm 2% 0.25W MF R111 57.11.3474 470 kOhm 2% 0.25W MF R111 57.11.3474 470 kOhm 2%	R200

D. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS;/	EQUIVALENT	MANU
R236 R237 R238	57.11.3152 57.11.3331 57.11.3103	1.5 kOhm 330 Ohm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF		(O1) Reduction of (O2) Resonance fi		w reproduce	head.		
R239 R240 R242	57.11.3103 57.11.3102 57.11.3472	10 k0hm 1 k0hm 4.7 k0hm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		Cer = Ceramic PP = Polypropyle	EL = Electro n MF = Metal F	lytic PET	P = Polyester = Silicon		
R243 R245 R246	57.11.3473 57.11.3222 58.01.8502	47 kOhm 2.2 kOhm 5 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 10%, 0.5 W, PMG		MANUFACTURER: ADI NS Sig	= Analog Device = National Sem = Signetice	es Inc. iconductors	Mot = Motorola Ra = Raytheon St = Studer		
R247 R248 R249	57.11.3821 57.11.3392	820 Ohm 3.9 kOhm	2%, 0.25W, MF 2%, 0.25W, MF not used							
R250 R251 R252	57.11.3153 57.11.3473 57.11.3472	15 kOhm 47 kOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R253 R254 R255 R256	57.11.3472 57.11.3331 57.11.3102 57.11.3273	4.7 kOhm 330 Ohm 1 kOhm 27 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R257 R258 R259	57.11.3102 57.11.3471 57.11.3103	1 kOhm 470 Ohm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R260 R261 R262	57.11.3221 57.11.3122 57.11.3471	220 Ohm 1.2 kOhm 470 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R263 R264 R265 R266	57.11.3223 57.11.3222 57.11.3473 57.11.3103	22 kOhm 2.2 kOhm 47 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF							
R267 R268 R269	57.11.3682 57.11.3682 57.11.3103	6.8 kOhm 6.8 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R270 R271 R272	57.11.3472 57.11.3122 57.11.3223	4.7 kOhm 1.2 kOhm 22 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF							
R273 R274	57.11.3223 57.11.3473	22 kOhm 47 kOhm	2%, 0.25%, MF 2%, 0.25%, MF TRONICS BOARD 2/2 PL 1.727.463.8	o pher is	ORIG 88/08/30 ((02) 89/03/		PL 1.727.463.82	PAGE
10028 (0	27 89703701 81	NODIO EBEC	11.127.403.0	Z INGE 13	31 0 D L K 102	, 0,,00,01 01	10210 2220		10 11/2///00/02	
POS.NO. R275	PART NO. 57.11.3223	VALUE 	SPECIFICATIONS / EQUIVALENT 2%, 0.25W, MF	MANUF.						
R276 R277 R278 R279	57.11.3103 57.11.3339 57.11.3103 57.11.3103	10 kOhm 3.3 Ohm 10 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R280 R281 R282	57.11.3339 57.11.3222 57.11.3222	3.3 Ohm 2.2 kOhm 2.2 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R283 R284 R285	57.11.3339 57.11.3103 57.11.3103	3.3 Ohm 10 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF							
R286 R287 R288 R289	57.11.3339 57.11.3472 57.11.3103 57.11.3471	3.3 Ohm 4.7 kOhm 10 kOhm 470 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R290 R291 R292	57.11.3391 57.11.3152 57.92.1151	390 Ohm 1.5 kOhm 18 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 150mA, PTC							
R293 R294 R295	57.11.3180 57.11.3470 57.11.3223	18 Ohm 47 Ohm 22 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF							
R296 R297 T2	57.11.3105 57.11.3472 1.022.451.00	1 MOhm 4.7 kOhm 1:0.62	2%, 0.25W, MF 2%, 0.25W, MF Line Ingut Trafo	St						
T3 T4 T5	1.022.271.00 1.022.272.00 1.022.402.00 1.022.355.00	1:10	Erase Trafo Bias Trafo Sync Trafo Line Output Trafo	St St St St						
TP1 TP2 TP3	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP						
TP4 TP5 TP6	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP AMP						
TP7 TUDER (0)	54.02.0320 2) 89/03/01 GP	AUDIO ELEC	Plug 2.8*0.8 TRONICS BOARD 2/2 PL 1.727.463.8							
D. POS.NO.	PART NO.	VALUE	No.	HANUF.						
W3 W4 W5 W6	64.01.0106 64.01.0106		Wire Bridge not used Wire Bridge not used							
W7 W8 W10	64.01.0106 64.01.0106 64.01.0106		Wire Bridge Wire Bridge Wire Bridge							
W12 XIC2	64.01.0106 53.03.0166	8-Pole	Wire Bridge IC Socket							
XIC5 XIC6 XIC7 XIC8	53.03.0166 53.03.0166 53.03.0166 53.03.0168	8-Pole 8-Pole 8-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket							
XIC9 XIC10 XIC11	53.03.0166 53.03.0166 53.03.0165	8-Pole 8-Pole 20-Pole	IC Socket IC Socket IC Socket							
XIC12 XIC13 XIC14	53.03.0168 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket							
XIC15 XIC16 XIC17 XIC18	53.03.0166 53.03.0168 53.03.0168 53.03.0168	8-Pole 16-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket							
XIC19 XIC20 XIC21	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket							
XIC22 XIC23 XIC24	53.03.0166 53.03.0165 53.03.0166	8-Pole 20-Pole 8-Pole	IC Socket IC Socket IC Socket							
XIC25 XIC26 XIC27	53.03.0166 53.03.0168 53.03.0166	8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket							

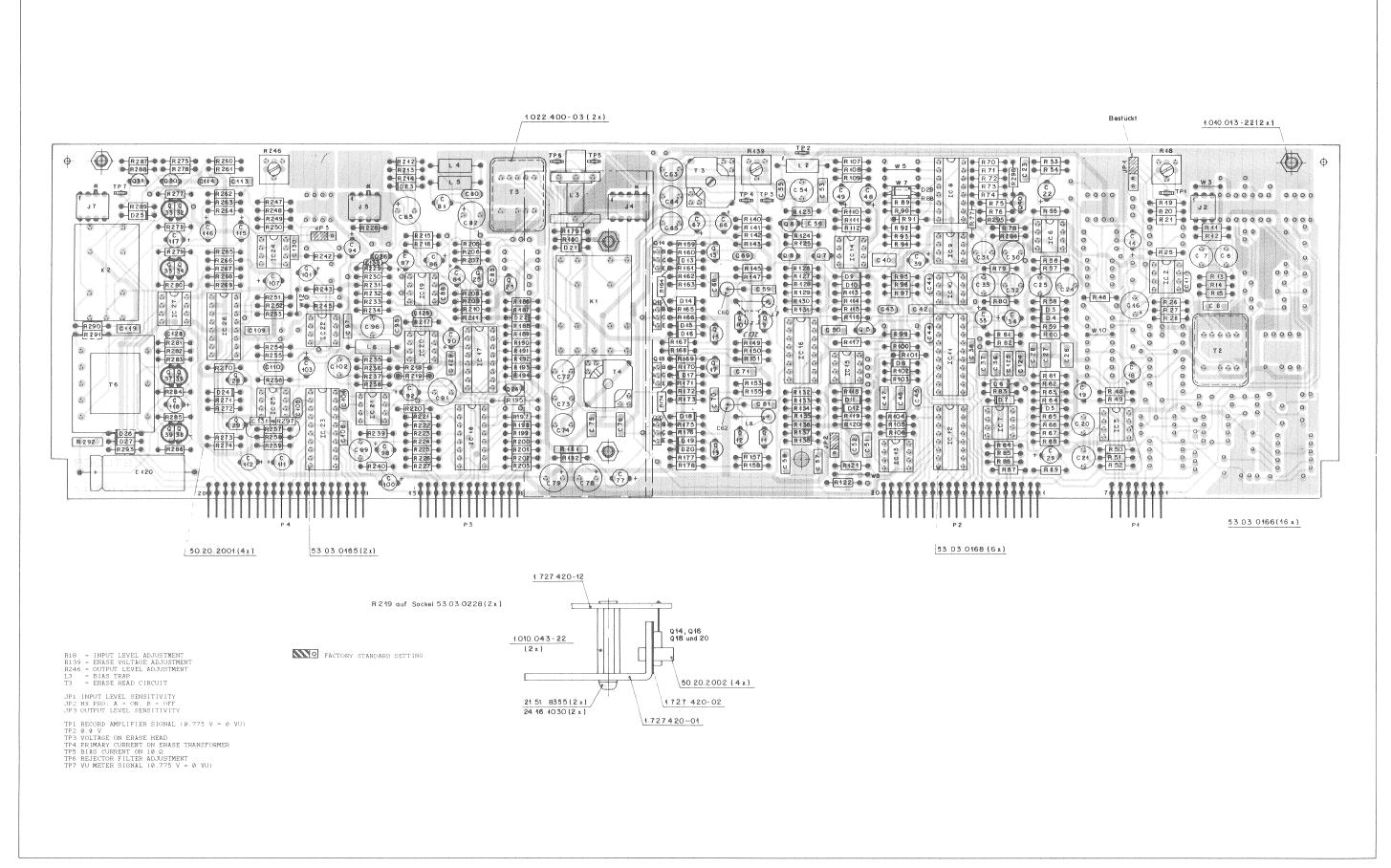
AUDIO ELECTRONICS BOARD 2/2 1.727.463.83 -AUDIO ELECTRONICS BOARD 2/2 HS 1.727.468.00



AUDIO ELECTRONICS BOARD 2/2 1.727.463.83 -AUDIO ELECTRONICS BOARD 2/2 HS 1.727.468.00



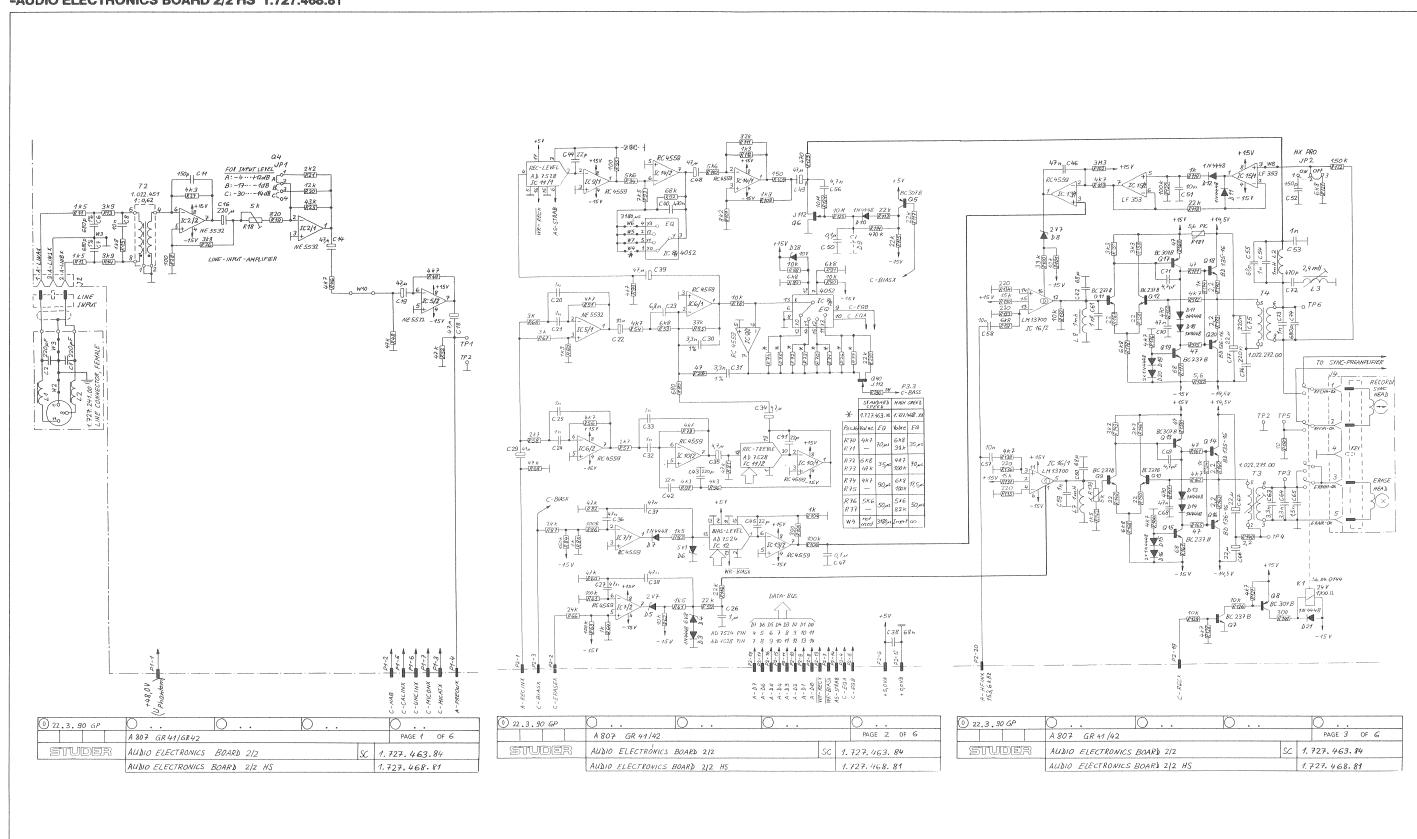
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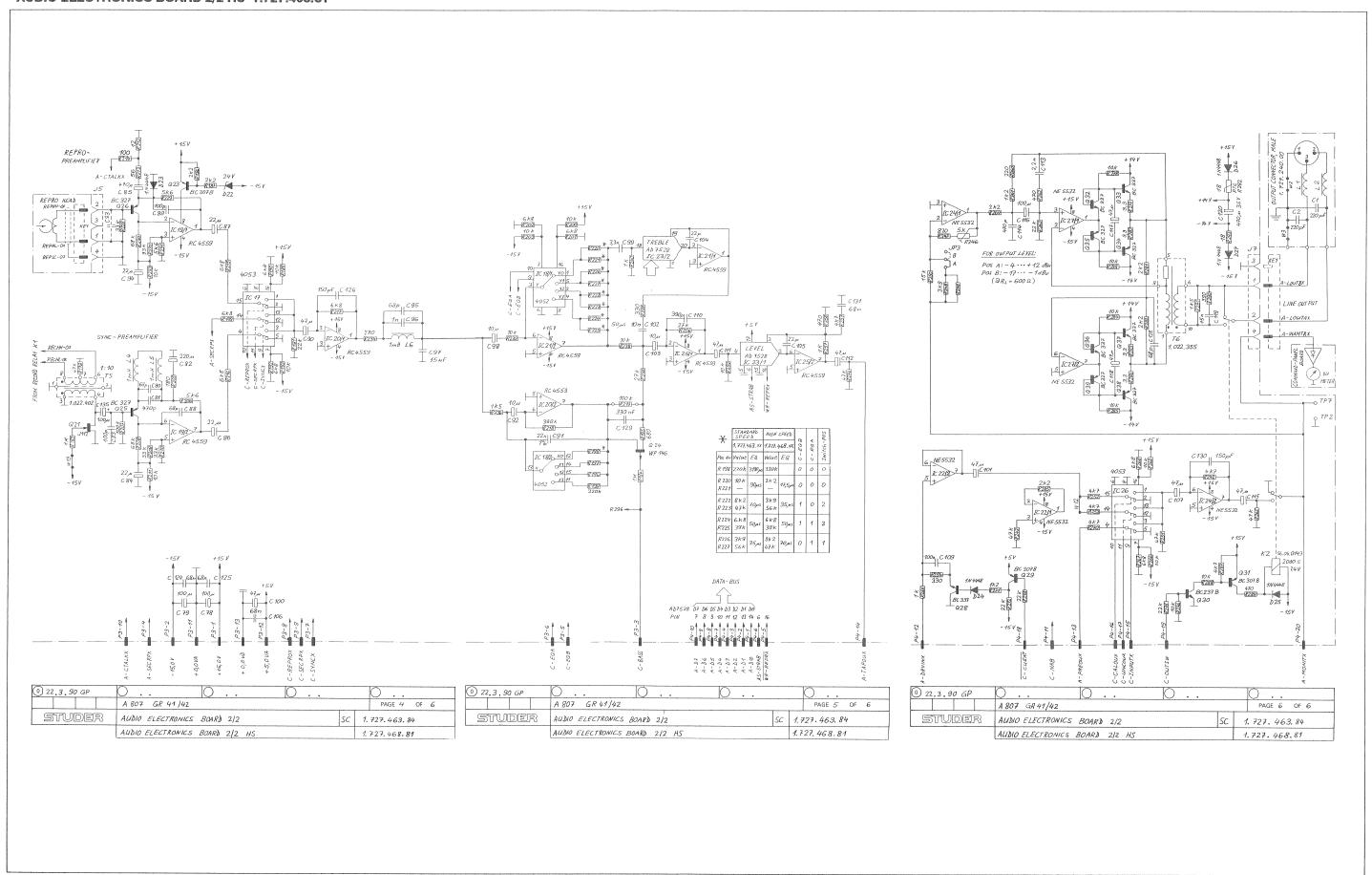
POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HAN	NUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT	MANUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT	MANUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT
C6 59.05.1681 680 pF 17 50W PF C7 59.05.1681 680 pF 17 50W PF C8 59.06.103 10 nF 107 50W PETF C8 59.06.103 10 nF 107 50W PETF C14 59.34.4151 150 pF 102 50W Car C14 59.32.3470 47 uF -203 10W EL C14 59.22.2470 47 uF -203 10W EL C18 59.22.2470 47 uF -203 10W EL C18 59.22.2470 47 uF -203 10W EL C19 59.22.3470 47 uF -203 10W EL C19 59.22.3470 47 uF -203 10W EL C20 59.05.2102 1 nF -203 50W PF C21 59.05.2102 1 nF 2.53 50W PF C22 59.05.2102 1 nF 2.53 50W PF C23 59.06.5682 6.8 nF 57 50W PF C23 59.06.5682 6.8 nF 57 50W PF C24 59.05.2102 1 nF 2.53 50W PF C25 59.05.2102 1 nF 2.53 50W PF FF FF C25 59.05.2102 1 nF 2.53 50W PF FF FF C25 59.05.2102 1 nF 2.53 50W PF FF FF C25 59.05.0103 1 nF 2.53 50W PF FF FF FF C25 59.05.0103 1 nF 2.53 50W PF FF FF FF C25 59.05.0103 1 nF 2.53 50W PF FF	C128 59.34.4680 68 pF 10X 50V Cer C129 59.06.5334 330 nF 5X 50V PETF C130 59.34.4151 150 pF 10X 50V Cer C131 59.06.0683 68 nF 10X 50V PETF C132 59.34.4101 100 pF 5X 50V Cer C133 59.34.4101 100 pF 5X 50V Cer C133 50.04.0125 104448 50V SI D4 50.04.1102 6.8 V 5X 0.40 Zener D5 50.04.1102 5.1 V 5X 0.40 Zener D6 50.04.1112 5.1 V 5X 0.40 Zener D7 50.04.0125 104448 50V SI D8 50.04.1106 2.7 V 5X, 0.40 Zener D8 50.04.1106 2.7 V 5X, 0.40 Zener D9 10.04.0125 104448 50V SI D10 50.04.0125 104448 50V SI D11 50.04.0125 104448 50V SI D11 50.04.0125 104448 50V SI D12 50.04.0125 104448 50V SI D13 50.04.0125 104448 50V SI D13 50.04.0125 104448 50V SI D14 50.04.0125 104448 50V SI D13 50.04.0125 104448 50V SI	Q15	R119 57.11.3102 1 kOhm 22, 0.25W, MF R120 57.11.3104 100 kOhm 22, 0.25W, MF R121 57.11.366 6.8 kOhm 22, 0.25W, MF R122 57.11.3154 150 kOhm 22, 0.25W, MF R123 57.11.3154 170 kOhm 22, 0.25W, MF R124 57.11.3104 170 kOhm 22, 0.25W, MF R125 57.11.3106 10 kOhm 52, 0.25W, MF R126 57.11.3107 10 kOhm 52, 0.25W, MF R127 57.11.3472 4.7 kOhm 22, 0.25W, MF R127 57.11.3472 4.7 kOhm 22, 0.25W, MF R129 57.11.3103 10 kOhm 22, 0.25W, MF R130 57.11.3153 15 kOhm 22, 0.25W, MF R131 57.11.3153 15 kOhm 22, 0.25W, MF R131 57.11.3153 15 kOhm 22, 0.25W, MF R131 57.11.3153 10 kOhm 22, 0.25W, MF R131 57.11.3122 20 Ohm 22, 0.25W, MF R133 57.11.3221 220 Ohm 22, 0.25W, MF R134 57.11.3221 220 Ohm 22, 0.25W, MF R135 57.11.3221 220 Ohm 22, 0.25W, MF R136 57.11.3221 220 Ohm 22, 0.25W, MF R137 57.11.3221 220 Ohm 22, 0.25W, MF
C31	D15 50.04.0125 IN4448 50V SI D16 50.04.0125 IN4448 50V SI D17 50.04.0125 IN4448 50V SI D18 50.04.0125 IN4448 50V SI D19 50.04.0125 IN4448 50V SI D20 50.04.0125 IN4448 50V SI D21 50.04.0125 IN4448 50V SI D22 50.04.1121 24 V 5% 0.4W Zener D23 50.04.0125 IN4448 50V SI D25 50.04.0125 IN4448 50V SI D26 50.04.0125 IN4448 50V SI D27 50.04.0125 IN4448 50V SI D28 50.04.0125 IN4448 50V SI D27 50.04.0125 IN4448 50V SI D27 50.04.0125 IN4448 50V SI D28 50.04.0125 IN4448 50V SI D27 50.04.0125 IN4448 50V SI D26 50.04.0125 IN4448 50V SI D27 50.04.0125 IN4448 50V SI D28 50.04.1114 10 V 5% 0.4W Zener ICC2 50.09.0105 NE 5532 Dual Op. Amp. ICC5 50.09.0107 RC 4559 Dual Op. Amp. ICC6 50.09.0107 RC 4559 Dual Op. Amp.	Q 35 S0.03.0625 BC327 matched with 034. PWF	R138 57.11.3822 B.2 kDhm 72. 0.25W. MF R139 58.01.8103 10 kChm 72. 0.25W. MF R140 57.11.3229 2.2 Chm 22. 0.25W. MF R141 57.11.3332 3.3 kChm 22. 0.25W. MF R142 57.11.3332 3.3 kChm 22. 0.25W. MF R143 57.11.3332 3.3 kChm 22. 0.25W. MF R144 57.11.3332 3.3 kChm 22. 0.25W. MF R141 57.11.3320 2.2 Chm 22. 0.25W. MF R141 57.11.3320 2.2 Chm 22. 0.25W. MF R151 57.11.3320 3.3 kChm 22. 0.25W. MF R153 57.11.3332 3.3 kChm 22. 0.25W. MF R153 57.11.3332 3.3 kChm 22. 0.25W. MF R151 57.11.3200 2.2 Chm 22. 0.25W. MF R153 57.11.3320 2.3 kChm 22. 0.25W. MF R155 57.11.3322 3.3 kChm 22. 0.25W. MF R155 57.11.3470 47 Ohn 22. 0.25W. MF R159 57.11.3470 47 Ohn 22. 0.25W. MF R160 57.11.3470 47 Ohn 22. 0.25W. MF R161 57.11.3470 47 Ohn 22. 0.25W. MF R161 57.11.3470 47 Ohn 22. 0.25W. MF R161 57.11.3470 47 Ohn 22. 0.25W. MF
POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HAN	NUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT	MANUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT	MANUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT
	IC7 50.09,0107 RC 4559 Dual Op. Amp. IC8 50.07.0024 MC 14052 CMOS Amalog Switch IC9 50.09,0107 RC 4559 Dual Op. Amp. IC10 50.09,0107 RC 4559 Dual Op. Amp. IC11 50.07.0026 AD 7528JB Dual Op. Amp. IC12 50.07.0026 AD 7528JB Bual Op. Amp. IC13 50.09,0107 RC 4559 Dual Op. Amp. IC14 50.09,0107 RC 4559 Dual Op. Amp. IC15 50.09,0107 RC 4559 Dual Op. Amp. IC16 50.09,0107 RC 4559 Dual Op. Amp. IC17 50.09,0107 RC 4559 Dual Op. Amp. IC18 50.07.0012 LF 3030 Dual Op. Amp. IC19 50.09,0101 RC 4559 Dual Op. Amp. IC19 50.09,0107 RC 4559 Dual Op. Amp. IC19 50.09,0107 RC 4559 Dual Op. Amp. IC20 50.09,0107 RC 4559 Dual Op. Amp. IC21 50.09,0107 RC 4559 Dual Op. Amp. IC22 50.09,0107 RC 4559 Dual Op. Amp. IC22 50.09,0107 RC 4559 Dual Op. Amp. IC23 50.09,0107 RC 4559 Dual Op. Amp. IC24 50.09,0107 RC 4559 Dual Op. Amp. IC25 50.09,0107 RC 4559 Dual Op. Amp. IC26 50.07.0026 MD 7528JB Dual Op. Amp. IC27 50.09,0107 RC 4559 Dual Op. Amp. IC27 50.09,0107 RC 4559 Dual Op. Amp. IC28 50.07.0026 MD 7528JB Dual Op. Amp. IC29 50.09,0107 RC 4559 Dual Op. Amp. IC27 50.09,0107 RC 4559 Dual Op. Amp. IC27 50.09,0107 RC 4559 Dual Op. Amp. IC27 50.09,0107 RC 4559 Dual Op. Amp. IC28 50.07.0015 MD 16550 Dual Op. Amp. IC29 50.09,0107 RC 4559 Dual Op. Amp. IC29 50.09,0107 RC 4559 Dual Op. Amp. IC26 50.07.0015 MC 14053 Dual Op. Amp. IC27 50.09,0107 RC 4559 Dual Op. Amp. IC28 50.07.0015 MC 14053 Dual Op. Amp. IC29 50.09,0107 RC 4559 Dual Op. Amp. IC29 50.09,0107 RC 4559 Dual Op. Amp. IC20 50.09,0107 RC 4559 Dual Op. Amp. IC20 50.09,0107 RC 4559 Dual Op. Amp. IC26 50.07.0015 MC 14053 Dual Op. Amp. IC27 50.09,0107 RC 4559 Dual Op. Amp. IC28 50.07.0015 MC 14053 Dual Op. Amp. IC29 50.09,0107 RC 4559 Dual Op. Amp. IC29 50.09,0107 RC 4559 Dual Op. Amp. IC20 50.09,0107 RC 4559 Dual Op. Amp. IC20 50.09,0107 RC 4559 Dual Op. Amp. IC21 50.09,0107 RC 4559 Dual Op. Amp. IC25 50.09,0107 RC 4559 Dual Op. Amp. IC26 50.07.0015 MC	Re R	R162
POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT HAN		MANUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT	MANUF. IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT
C86 59.22.5220 22 uF -20X 25V EL C87 59.22.5220 22 uF -20X 25V EL C88 59.34.4680 66 pF 10X 50V Cer Cer C89 59.34.4680 66 pF 10X 50V Cer Cer C89 59.34.4680 66 pF 10X 50V Cer Cer C89 59.22.3470 47 uF -20X 10V EL C89 59.05.1223 20 pF 11X 50V PF C92 59.22.3470 47 uF -20X 10V EL C91 59.25.342 30 cer Cer C92 59.22.3470 47 uF -20X 50V Cer Cer C93 59.34.4680 66 pF 10X 50V Cer Cer C95 59.34.4680 66 pF 10X 50V Cer C99 59.05.2103 13 nF 1.0X 50V PF CER C99 59.05.2312 31.3 nF 1.0X 50V PF CER C99 59.05.2312 31.3 nF 1.0X 50V PF CER C99 59.05.2312 31.3 nF 1.0X 50V PF CER C100 59.22.3470 47 uF -20X 10V EL C101 59.22.3470 47 uF -20X 10V EL C101 59.22.3470 47 uF -20X 10V EL C102 59.05.2103 10 nF 2.5% 50V PF CER C104 59.05.2103 10 nF 2.5% 50V PF CER C105 59.05.2103 10 nF 2.5% 50V PF CER C106 59.05.02.3470 47 uF -20X 10V EL C106 59.05.02.3470 47 uF -20X 10V EL C105 59.05.2312 32 22 pF 10X 50V PF CER C107 59.22.3470 47 uF -20X 10V EL C111 59.22.3470 47 uF -20X 10V EL C112 59.22.3470 47 uF -20X 10V EL C115 59.22.3470 47 uF -20X 10V EL C116 59.22.3470 47 uF -20X 10V EL C116 59.22.3470 47 uF -20X 10V EL C117 59.22.3470 47 uF -20X 10V EL C118 59.22.3470 47 uF -20X 10V EL C119 59.23.3470 47 uF -20X 10V EL C119 59.23.3470	L5 62.01.0128	R82 57.11.3473 47 kOhm 2% 0.25% MF R83 57.11.3452 1.5 kOhm 2% 0.25% MF R84 57.11.3152 1.5 kOhm 2% 0.25% MF R85 57.11.3152 1.5 kOhm 2% 0.25% MF R86 57.11.3152 1.6 kOhm 2% 0.25% MF R86 57.11.3152 1.6 kOhm 2% 0.25% MF R86 57.11.3102 1.6 kOhm 2% 0.25% MF R86 57.11.3103 1.0 kOhm 2% 0.25% MF R86 57.11.3103 1.0 kOhm 2% 0.25% MF R86 57.11.3103 1.0 kOhm 2% 0.25% MF R89 57.11.3103 1.0 kOhm 2% 0.25% MF R99 57.11.3682 6.8 kOhm 2% 0.25% MF R91 57.11.3682 6.8 kOhm 2% 0.25% MF R91 57.11.3683 6.8 kOhm 2% 0.25% MF R92 57.11.3683 6.8 kOhm 2% 0.25% MF R92 57.11.3103 1.0 kOhm 2% 0.25% MF R91 57.11.3103 1.0 kOhm 2% 0.25% MF R92 57.11.3103 1.0 kOhm 2% 0.25% MF R93 57.11.3103 1.0 kOhm 2% 0.25% MF R94 57.11.3122 1.0 kOhm 2% 0.25% MF R104 57.11.3122 1.0 kOhm 2% 0.25% MF R	R199 57.11.3164 160 KOhm 2%, 0.25W, MF R201 57.11.3163 10 KOhm 2%, 0.25W, MF R201 57.11.3682 6.8 KOhm 2%, 0.25W, MF R203 57.11.3161 10 KOhm 2%, 0.25W, MF R203 57.11.3161 10 KOhm 2%, 0.25W, MF R204 57.11.3161 10 KOhm 2%, 0.25W, MF R205 57.11.3161 180 Ohm 2%, 0.25W, MF R206 57.11.3161 180 Ohm 2%, 0.25W, MF R206 57.11.3363 68 KOhm 2%, 0.25W, MF R207 57.11.3164 100 KOhm 2%, 0.25W, MF R208 57.11.3333 33 KOhm 2%, 0.25W, MF R209 57.11.3333 33 KOhm 2%, 0.25W, MF R211 57.11.3103 10 KOhm 2%, 0.25W, MF R211 57.11.3103 10 KOhm 2%, 0.25W, MF R211 57.11.3103 10 KOhm 2%, 0.25W, MF R211 57.11.3160 12 Ohm 2%, 0.25W, MF R211 57.11.3160 10 KOhm 2%, 0.25W, MF R212 57.11.3160 10 KOhm 2%, 0.25W, MF R213 57.11.3560 56 Ohm 2%, 0.25W, MF R214 57.11.3162 6.8 KOhm 2%, 0.25W, MF R215 57.11.3682 6.8 KOhm 2%, 0.25W, MF R216 57.11.3682 6.8 KOhm 2%, 0.25W, MF R218 57.11.3162 6.8 KOhm 2%, 0.25W, MF R219 57.11.3103 10 KOhm 2%, 0.25W, MF R219 57.11.3103 10 KOhm 2%, 0.25W, MF R221 57.11.3162 6.8 KOhm 2%, 0.25W, MF R221 57.11.3163 10 KOhm 2%, 0.25W, MF R221 57.11.3163 10 KOhm 2%, 0.25W, MF R222 57.11.3163 10 KOhm 2%, 0.25W, MF R222 57.11.3163 30 KOhm 2%, 0.25W, MF R222 57.11.3163 30 KOhm 2%, 0.25W, MF R222 57.11.3165 50 KOhm 2%, 0.25W, MF R222 57.11.3165 50 KOhm 2%, 0.25W, MF R222 57.11.3663 50 KOhm 2%, 0.25W, MF R223 57.11.3662 50 KOhm 2%, 0.25W, MF R223 57.11.3662 50 KOhm 2%, 0.25W, MF R223 57.11.3662 50 KOhm 2%, 0.25W, MF R223 57.11.3663 50 KOhm 2%,

	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT	MANU
	R236 R237 R238	57.11.3152 57.11.3331 57.11.3103	1.5 kOhm 330 Ohm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		Cer = Ceramic EL = Electrolytic PETP = Polyester PP = Polypropylen MF = Metal Film SI = Silicon	
	R239 R240 R242	57.11.3103 57.11.3102 57.11.3472	10 kOhm 1 kOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF		MANUFACTURER: ADI = Analog Devices Inc. Mot = Motorola NS = National Semiconductors Ra = Raytheon	
	R243 R245 R246	57.11.3473 57.11.3222 58.01.8502	47 kOhm 2.2 kOhm 5 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 10%, 0.5 W, PMG		Sig = Signetice St = Studer	
	R247 R248 R249	57.11.3821 57.11.3392	820 Ohm 3.9 kOhm	2%, 0.25%, MF 2%, 0.25%, MF not used			
	R250 R251 R252	57.11.3153 57.11.3473 57.11.3472 57.11.3472	15 kOhm 47 kOhm 4.7 kOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF			
	R253 R254 R255 R256	57.11.3331 57.11.3102 57.11.3273	330 Ohm 1 kOhm 27 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R257 R258 R259	57.11.3102 57.11.3471 57.11.3103	1 kOhm 470 Ohm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF			
	R260 R261 R262	57.11.3221 57.11.3122 57.11.3471	220 Ohm 1.2 kOhm 470 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R263 R264 R265	57.11.3223 57.11.3222 57.11.3473	22 kOhm 2.2 kOhm 47 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R266 R267 R268 R269	57.11.3103 57.11.3682 57.11.3682 57.11.3103	10 kOhm 6.8 kOhm 6.8 kOhm 10 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF			
	R270 R271 R272	57.11.3103 57.11.3472 57.11.3122 57.11.3223	4.7 kOhm 1.2 kOhm 22 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R273 R274	57.11.3223 57.11.3473	22 kOhm 47 kOhm	2%, 0.25W, MF 2%, 0.25W, MF		ORIG 89/07/03	
υ	DER (O	0) 89/07/03 GP	AUDIO ELEC	TRONICS BOARD 2/2 PL 1.727.463.8	33 PAGE 13	STUDER (00) 89/07/03 GP AUDIO ELECTRONICS BOARD 2/2 PL 1.727.463.83 PA	GE
	POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.		
	R275 R276 R277	57.11.3223 57.11.3103 57.11.3339	22 kOhm 10 kOhm 3.3 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R278 R279 R280	57.11.3103 57.11.3103 57.11.3339	10 kOhm 10 kOhm 3.3 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R281 R282 R283	57.11.3222 57.11.3222 57.11.3339	2.2 kOhm 2.2 kOhm 3.3 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R284 R285 R286 R287	57.11.3103 57.11.3103 57.11.3339 57.11.3472	10 kOhm 10 kOhm 3.3 Ohm 4.7 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
	R288 R289 R290	57.11.3103 57.11.3471 57.11.3391	10 kOhm 470 Ohm 390 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF			
	R291 R292 R293	57.11.3152 57.92.1151 57.11.3160	1.5 kOhm 18 Ohm 18 Ohm	2%, 0.25%, MF 150mA, PTC 2%, 0.25%, MF			
	R294 R295 R296 R297	57.11.3470 57.11.3223 57.11.3105 57.11.3472	47 Ohm 22 kOhm 1 MOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF			
	T2 T3	1.022.451.00 1.022.271.00 1.022.272.00	1:0.62	Line Input Trafo Erase Trafo Bias Trafo	St St St		
	T5 T6	1.022.402.00	1:10	Sync Trafo Line Output Trafo	St St		
	TP1 TP2 TP3	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP		
	TP5 TP5 TP5	54.02.0320 54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	AMP AMP AMP AMP		
U :			AUDIO ELEC	TRONICS BOARD 2/2 PL 1.727.463.8			
	POS.NO.	PART NO. 64.01.0106	VALUE	SPECIFICATIONS / EQUIVALENT Wire Bridge	MANUF.		
	W4 W5 W6	64.01.0106		not used Wire Bridge not used			
	W8 W10	64.01.0106 64.01.0106 64.01.0106		Wire Bridge Wire Bridge Wire Bridge			
	W12 XIC2	64.01.0106 53.03.0166	8-Pole	Wire Bridge IC Socket			
	XIC5 XIC6 XIC7	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket			
	XIC8 XIC9 XIC10 XIC11	53.03.0168 53.03.0166 53.03.0166 53.03.0165	16-Pole 8-Pole 8-Pole 20-Pole	IC Socket IC Socket IC Socket IC Socket			
	XIC12 XIC13 XIC14	53.03.0168 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket			
	XIC15 XIC16 XIC17	53.03.0166 53.03.0168 53.03.0168	8-Pole 16-Pole 16-Pole	IC Socket IC Socket IC Socket			
	XIC18 XIC19 XIC20	53.03.0168 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket			
	XIC21 XIC22 XIC23 XIC24	53.03.0166 53.03.0166 53.03.0165 53.03.0166	8-Pole 8-Pole 20-Pole 8-Pole	IC Socket IC Socket IC Socket IC Socket			
	XIC25 XIC26 XIC27	53.03.0166 53.03.0168 53.03.0166	8-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket			

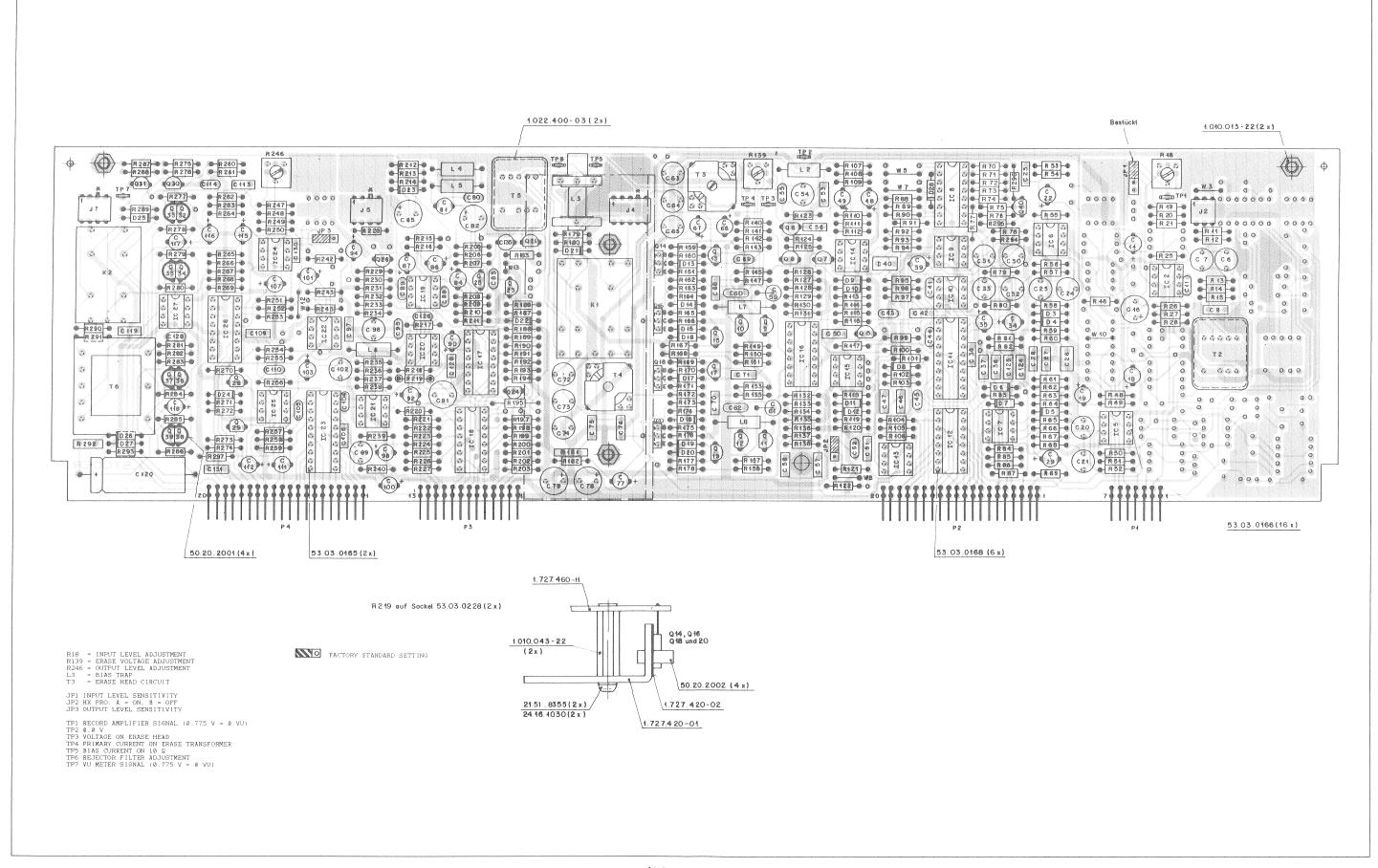
AUDIO ELECTRONICS BOARD 2/2 1.727.463.84 -AUDIO ELECTRONICS BOARD 2/2 HS 1.727.468.81



AUDIO ELECTRONICS BOARD 2/2 1.727.463.84 -AUDIO ELECTRONICS BOARD 2/2 HS 1.727.468.81

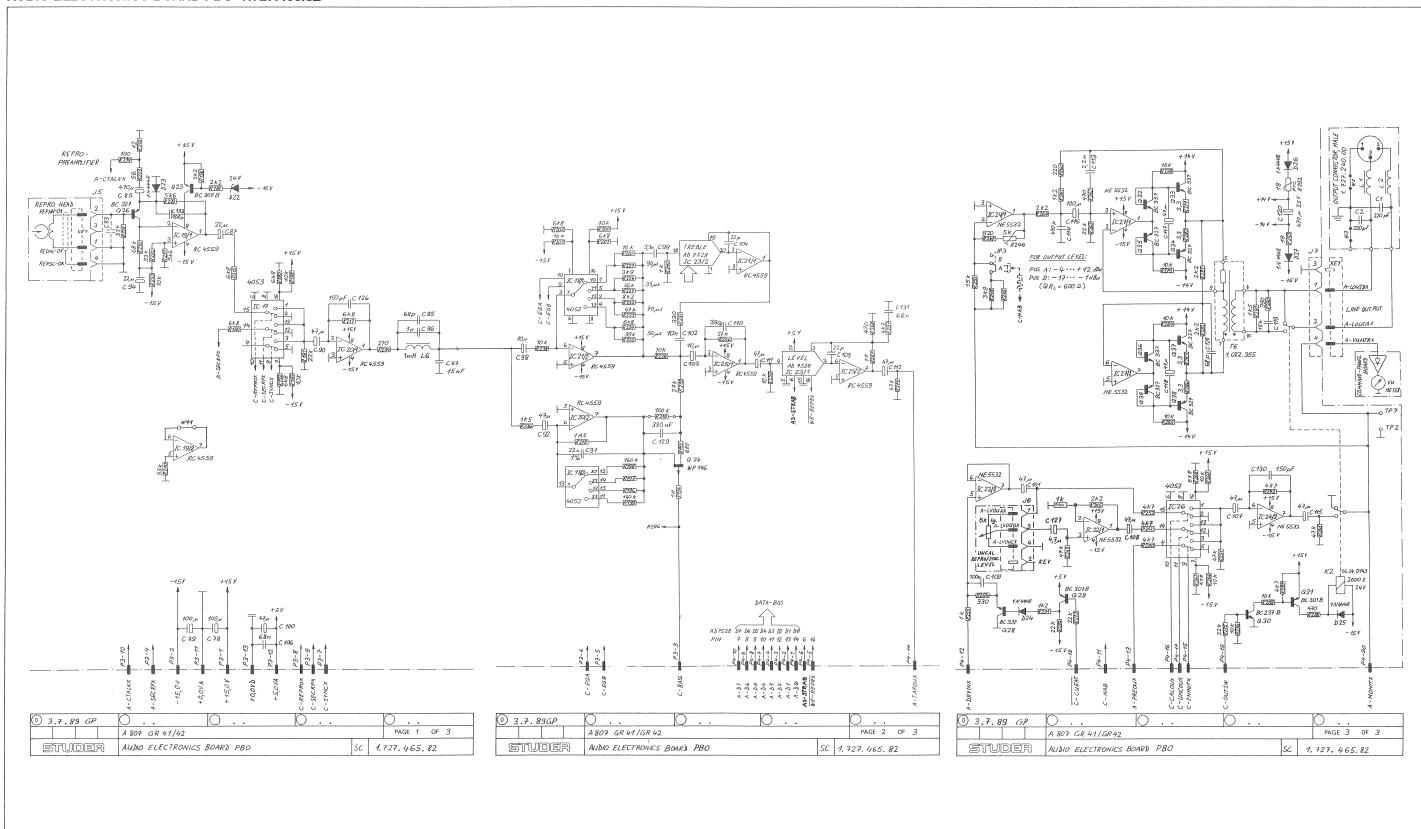


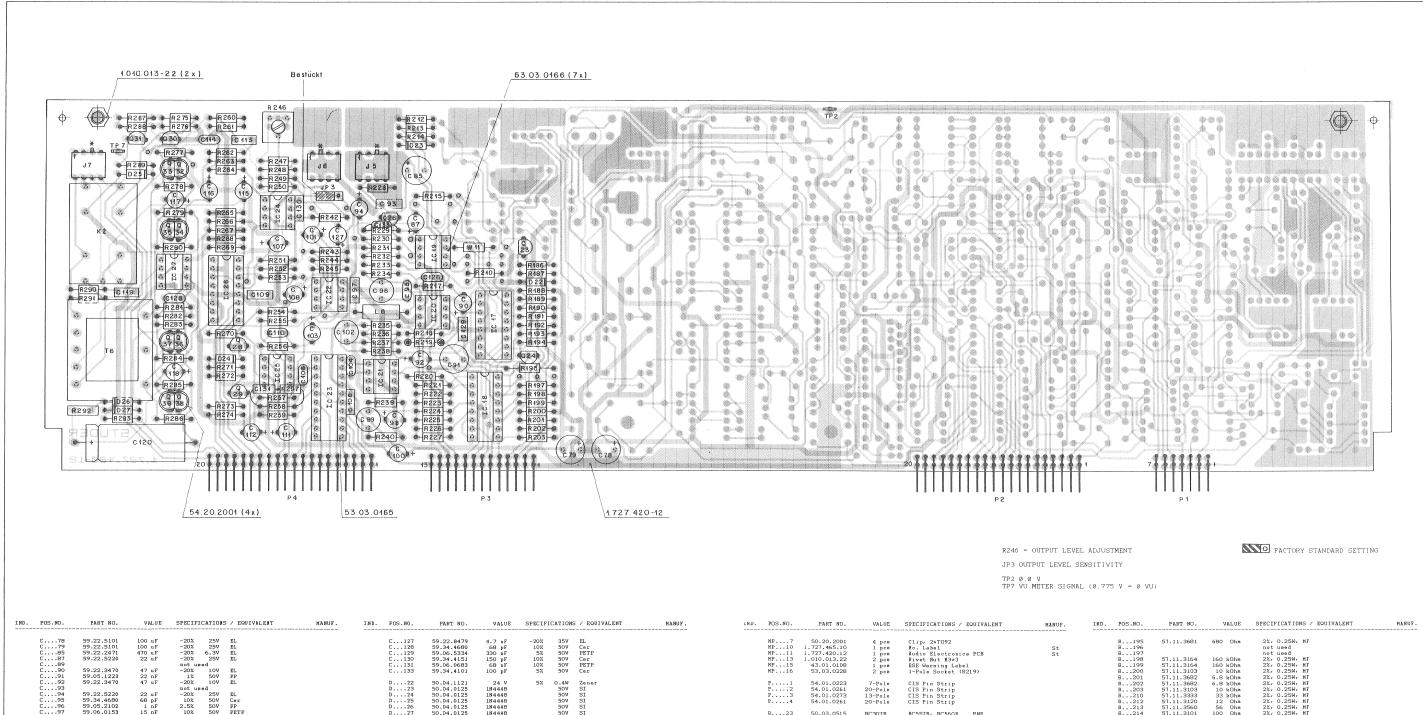
AUDIO ELECTRONICS BOARD 2/2 1.727.463.84 -AUDIO ELECTRONICS BOARD 2/2 HS 1.727.468.81



IND, POS.NO.	PART NO. VAL	UE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO. VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.
C	59.05.1681 660 pl 59.05.1681 660 pl 59.05.1681 660 pl 59.05.1681 750 pl 59.36.103 10 ml 59.34.4151 71 pl 59.34.4151 71 pl 59.32.3470 47 ml 59.05.2102 1 ml 59.06.2103 1 ml 59.06.103 1 ml 59.06.0473 47 ml 59.05.1332 3.3 ml 59.05.1332 3.3 ml 59.05.1332 3.3 ml 59.05.1332 3.3 ml 59.06.0473 47 ml 59.06.063 473 47 ml 59.06.0723 222 pl 59.34.2220 22 pl 59.36.0104 47 ml 59.06.0104 47 ml	1	C128 C129 C130 C131 D3 D4 D5 D6 D7 D8 D9 D11 D12 D13 D14 D15 D16 D17 D19 D19 D19 D19 D22 D23 D24 D25 D22 D23 D24 D25 D25 D24 D25 D25 D25 D26 D27 D25 D26 D27 D27 D28	59. 34. 4680 59. 06. 5334 59. 34. 4151 59. 06. 5083 59. 22. 3101 50. 04. 0125 50. 04. 1102 50. 04. 1112 50. 04. 0125 50. 09. 0105 50. 09. 0105 50. 09. 0105	68 pF 330 nF 130 pF 68 nF 100 uF 184448 6.8 v 2.7 v 5.1 v 184448 18445 18445 18445 18445 18445 18445 18445 18445 18445 18446 18445 18445 18445 18445 18445 18445 18445 18445 18445 18445 1845 18	10% 50V Cer 5% 50V PETP 10% 50V Cer 50V SI 50 0.44 Zener 5% 0.44 Zener 5% 0.44 Zener 5% 0.50V SI 50V SI	Sig Sig Ra Ra 84 PAGE 4	016 017 018 020 021 022 023 025 025 025 025 025 025 026 027 025 030 030 033 033 033 033 033 034 035 036 036 036 036 036 036 037 038 038 039 031 031 031 033 031 033 031 033 031 031 033 031 031 031 031 033 031 031 031 033 031 032 031 031 032 033 034 035 036 0.	50.03.0515 50.03.0525 50.03.0555 50.03.0555 50.03.0555 50.03.0555 50.03.0555 50.03.0555 50.03.0555	BDI 36-16 BC307B BDI 35-16 BDI 35-16 BDI 35-16 JDI 36-16 JDI 36-16 JDI 36-16 JDI 36-16 BC327 BC327 BC327 BC307B BC	BCS57B, BC560B PRP PRP PRP PRP PRP PRP PRP PRP PRP PR	R	57.11.3104 100 kOha 57.11.3692 6B kOha 57.11.3491 150 kOh 57.11.41141 471 470 kOha 57.11.5106 10 kOha 57.11.5106 10 kOha 57.11.3103 10 kOha 57.11.3221 220 Oha 57.11.3223 20 Oha 57.11.3233 3.3 kOha 57.11.3323 3.3 kOha 57.11.3324 4.7 kOha 57.11.3229 2.2 Oha 57.11.3323 2.2 Oha 57.11.3324 4.7 kOha	2X. 0.25W, WF 2X. 0.25W, WF 2X. 0.25W, WF 5X. 0.25W, WF 5X. 0.25W, WF 5X. 0.25W, WF 2X. 0.25W, WF	3.84 PAGE 1
IND. POS.NO.	PART NO. VALI	JE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND, POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO. VALUE	SPECIFICATIONS / EQUIVALENT	NANUF
C	59. 22. 3470 47 ul 7 u	10x	IC	50, 07, 0024 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 07, 0002 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 09, 0107 50, 01, 0005 50, 0	MC 14052 RC 4559 RC 4559 AD 75281N AD 75241N RC 4559 LF 3350 LF 3350 MC 14052 RC 4559 RC 4569 RC 4669	CMOS Analog Switch Dual Op. Amp. Dual B-bit D/A Converter B-bit D/A Converter Dual Op. Amp. Dual B-bit D/A Converter Dual Op. Amp. CMOS Analog Switch Dual Op. Amp. CMOS Analog Switch Dual Op. Amp. CMOS Analog Switch Dual Op. Amp. CTS Socket Strip	Hot Rea Rea ADI Rea Rea NS NS NS Mot Mot Rea Rea Rea Rea Sig ADI Bea Hot Sig AMP AMP AMP AMP	R 28 R 46 R 48 R 49 R 50 R 50 R 52 R 53 R 54 R 55 R 56 R 57 R 58 R 59 R 50 R 61 R 62 R 63 R 64 R 65 R 67 R 67 R 67 R 69 R 70 R 71 R 72 R 73 R 73 R 74 R 75 R 77 R 78 R 79 R 90 R 81 R 82 S T U D E R (00)	57.11.3473 57.11.3472 57.11.3562 57.11.3103 57.11.3472 57.11.3681 57.11.3473 57.11.3473	100 Oha 4.7 kOha 4.7 kOha 4.7 kOha 4.7 kOha 4.7 kOha 1.3 kOha 4.7 kOha 4.7 kOha 3.3 kOha 4.7 kOha 3.3 kOha 4.7 kOha 2.7 kOha 2.7 kOha 2.7 kOha 2.1 kOha 3.0 kOha 1.0 kOha 4.7 kOha	2%, 0,25%, MF 2%	R163 R164 R165 R166 R167 R168 R168 R169 R171 R172 R173 R175 R175 R175 R175 R175 R176 R176 R176 R177 R176 R177 R177 R178 R176 R177 R179 R180 R181 R182 R183 R184 R185 R185 R187 R187 R187 R187 R188 R188 R189 R190 R191 R195 R196 R197 R198 R198 R199	57.11.3229 2.2 Oha 57.11.3102 1 k0ha 57.11.3470 47 Oha 57.11.3470 47 Oha 57.11.3470 47 Oha 57.11.3470 47 Oha 57.11.3660 68 Oha 57.11.3692 6.8 k0ha 57.11.3692 47 Oha 57.11.3470 48 Oha 57.11.3569 5.6 Oha 57.11.3569 5.6 Oha 57.11.3569 5.6 Oha 57.11.3682 6.8 k0ha 57.11.3103 10 k0ha 57.11.3222 2.2 k0ha 57.11.3103 10 k0ha 57.11.3223 22 k0ha 57.11.3103 10 k0ha 57.11.3682 6.8 k0ha 57.11.3682 6.8 k0ha 57.11.3103 10 k0ha 57.11.3682 6.8 k0ha 57.11.3103 10 k0ha 57.11.3224 22 k0ha 57.11.3224 22 k0ha 57.11.3224 220 k0ha 57.11.3224 220 k0ha	2X, 0, 25W, MF	
IND. POS.NO.	PART NO. VAL	UE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT KANUF.	IND. POS.NO.	PART NO. VALUE	SPECIFICATIONS / EQUIVALENT	MANUF
C 86 C 87 C 88 C 89 C 99 C 99 C 91 C 92 C 94 C 95 C 96 C 99 C 90 C 91 C 96 C 96 C 96 C 96 C 96 C 96 C 100 C 101 C 102 C 103 C 104 C 105 C 105 C 106 C 107 C 110 C 111 C 112 C 113 C 114 C 115 C 116 C 117 C 117 C 118 C 119	59.22.5220 22 ui 59.22.5220 22 ui 59.22.5220 22 ui 59.22.5220 22 ui 59.22.4400 66 pi 59.34.4010 100 pi 59.34.4010 100 pi 59.22.3470 47 ui 59.05.1223 22 ni 59.05.2120 11 ni 59.05.2120 12 ni 59.34.2220 22 pi 59.34.2231 10 ni 59.22.3470 47 ui 59.23.3471 470 ui 59.23	F 10% 50V Cer F 5% 50V Cer F 1% 50V PP F 10% 50V PP F 2.5% 50V PP F 3.5% 50V	NP9 NP10 NP11 NP12 NP12 NP14 NP15 NP16 P2 P3 P4 05 06 07 06 07 06 010 011 012 013 014 014	62. 01. 0128 62. 01. 0128 62. 01. 0128 62. 01. 0128 62. 01. 0128 62. 01. 0129 54. 01. 0020 54. 01. 0020 54. 01. 0020 54. 01. 0023 54. 01. 0023 55. 20. 2001 1.777. 460. 11 1.727. 460. 11 1.727. 460. 03 1.010. 013. 22 50. 20. 2002 43. 01. 0108 55. 20. 2002 43. 01. 0108 55. 20. 2002 54. 01. 0251 55. 03. 0355 55. 03. 0355	Init Init Init Init Init Init Init Init	Contact Pin JP1 Contact Pin JP2 Contact Pin JP3 Rivet Nut N3+20 Screw M3-M8 Washer M3-M9 Washer	St St St St St Mot	R 83 R 84 R 84 R 86 R 96 R 97 R 98 R 99 R 91 R 92 R 94 R 95 R 96 R 97 R 96 R 97 R 96 R 97 R 96 R 97 R 100 R 110 R 110 R 111	57.11.3152 57.11.3154 57.11.3102 57.11.3102 57.11.3103 57.11.3662 57.11.3662 57.11.3662 57.11.3662 57.11.3662 57.11.3662 57.11.362 57.11.393	1.5 kOha 1.50 kOha 1.00 kOha 24 kOha 10 kOha 10 kOha 10 kOha 10 kOha 6.8 kOha 6.8 kOha 6.8 kOha 6.8 kOha 6.8 kOha 6.8 kOha 6.8 kOha 10 kOha 10 kOha 10 kOha 10 kOha 11 kOha 12 kOha 13 kOha 14 kOha 16 kOha 17 kOha 18 kOha 19 kOha 10 kOha	27. 0.25%, HF 22. 0.25%, HF 23. 0.25%, HF 24. 0.25%, HF 25. 0.25%, HF 27. 0.25%, HF 28. 0.25%, HF 28. 0.25%, HF 29. 0.25%, HF 29. 0.25%, HF 20. 0.25%, HF	R	57.11.3103 10 k0ha 57.11.3662 6.8 k0ha 57.11.3103 10 k0ha 57.11.3103 10 k0ha 57.11.3101 10 k0ha 57.11.3104 100 k0ha 57.11.3562 5.6 k0ha 57.11.3104 100 k0ha 57.11.3603 68 k0ha 57.11.3100 10 k0ha 57.11.3100 10 k0ha 57.11.3100 10 k0ha 57.11.3101 100 k0ha 57.11.3101 100 k0ha 57.11.3101 100 k0ha 57.11.3101 100 k0ha 57.11.3600 5.6 k0ha 57.11.3600 6.8 k0ha 57.11.3600 6.8 k0ha 57.11.3602 6.8 k0ha 57.11.3602 6.8 k0ha 57.11.3103 10 k0ha 57.11.3103 10 k0ha 57.11.3103 10 k0ha 57.11.3103 39 k0ha 57.11.3103 39 k0ha 57.11.3103 39 k0ha 57.11.3103 39 k0ha 57.11.3562 5.6 k0ha 57.11.3563 56 k0ha 57.11.3563 38 k0ha 57.11.3303 33 k0ha 57.11.3303 33 k0ha 57.11.3103 12	2E, 0.25W, MF	

. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT	MANUF
R. 237 R. 238 R. 239 R. 240 R. 240 R. 242 R. 243 R. 245 R. 255 R. 255 R. 255 R. 255 R. 255 R. 255 R. 255 R. 255 R. 256 R.	57.11.303 57.11.3103 57.11.3103 57.11.3103 57.11.3473 57.11.3473 57.11.3473 57.11.3473 57.11.3473 57.11.3473 57.11.3473 57.11.3473 57.11.3473 57.11.3473 57.11.3223 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225 57.11.3225	330 Dhm 10 kOhm 110 kOhm 14 kOhm 4.7 kOhm 4.7 kOhm 5 kOhm 5 kOhm 62 kOhm 15 kOhm 17 kOhm 17 kOhm 18 kOhm 19 kOhm 10 kO	2X. 0.25W, MF		Cer = Ceramic EL = Electrolytic PETP = Polyester PP = Polypropylen MF = Metal Film SI = Silicon MANUFACTURER: ADI = Analog Devices Inc. NS = National Semiconductors Sig = Signetics Sig = Signetics St = Studer	
R266 R267 R268 R269 R270 R271 R272 R273 R274	57.11.3103 57.11.3682 57.11.3682 57.11.3103 57.11.3122 57.11.3122 57.11.3223 57.11.3223 57.11.3473	10 k0hm 6.8 k0hm 6.8 k0hm 10 k0hm 4.7 k0hm 1.2 k0hm 22 k0hm 47 k0hm	2%. 0.25W. MF 2%. 0.25W. MF			
R275 UDER (C	57.11.3223 00) 90/03/12 GP	22 kOhm AUDIO ELEC	2%, 0.25%, MF TRONICS BOARD 2/2 PL 1.727.463.8	4 PAGE 13	ORIG 90/03/12 S T U D E R (00) 90/03/12 GP AUDIO ELECTRONICS BOARD 2/2 PL 1.727.463.84	PAGE
. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.		
R276 R277 R278	57.11.3103 57.11.3339 57.11.3103	10 kOhm 3.3 Ohm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
R279 R280 R281 R282 R283	57.11.3103 57.11.3339 57.11.3222 57.11.3222 57.11.3339	10 kOhm 3.3 Ohm 2.2 kOhm 2.2 kOhm 3.3 Ohm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
R284 R285 R286 R287 R288	57.11.3103 57.11.3103 57.11.3339 57.11.3472 57.11.3103	10 kOhm 10 kOhm 3.3 Ohm 4.7 kOhm 10 kOhm	2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF 2%, 0.25W, MF			
R289 R290 R291 R292 R293	57.11.3471 57.11.3391 57.11.3152 57.92.1151 57.11.3180	470 Ohm 390 Ohm 1.5 kOhm 18 Ohm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 150mA, PTC 2%, 0.25%, MF			
R294 R295 R296 R297	57.11.3470 57.11.3223 57.11.3105 57.11.3472	47 Ohm 22 kOhm 1 MOhm 4.7 kOhm	2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF 2%, 0.25%, MF			
T2 T3 T4 T5 T6	1.022.451.00 1.022.271.00 1.022.272.00 1.022.402.00 1.022.355.00	1:0.62	Line Input Trafo Erase Trafo Bias Trafo Sync Trafo Line Output Trafo	St St St St St		
TP1 TP2 TP3 TP4 TP5 TP6	54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320 54.02.0320		Plug 2.8+0.8 Plug 2.8+0.8 Plug 2.8+0.8 Plug 2.8+0.8 Plug 2.8+0.8 Plug 2.8+0.8 Plug 2.8+0.8	amp amp amp amp amp amp amp		
UDER (C	00) 90/03/12 GP	AUDIO ELEC	TRONICS BOARD 2/2 PL 1.727.463.8	4 PAGE 14		
POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.		
W3 W4 W6 W6 W7 W8 W10 W12	64.01.0106 64.01.0106 64.01.0106 64.01.0106 64.01.0106 64.01.0106 1.010.329.64		Wire Bridge not used Wire Bridge not used Wire Bridge			
XIC2 XIC5 XIC6 XIC7 XIC8 XIC9	53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0168	8-Pole 8-Pole 8-Pole 8-Pole 16-Pole 8-Pole	IC Socket			
XIC10 XIC11 XIC12 XIC13 XIC14 XIC16 XIC16 XIC17 XIC19 XIC19 XIC20 XIC21 XIC21	53.03.0166 53.03.0168 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0168 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166 53.03.0166	8-Fole 8-Pole 16-Pole 8-Pole 8-Pole 9-Pole 16-Pole 16-Pole 8-Pole 8-Pole 8-Pole 8-Pole 8-Pole 8-Pole	IC Socket			
XIC23 XIC24 XIC25	53.03.0166	8-Pole	IC Socket IC Socket			

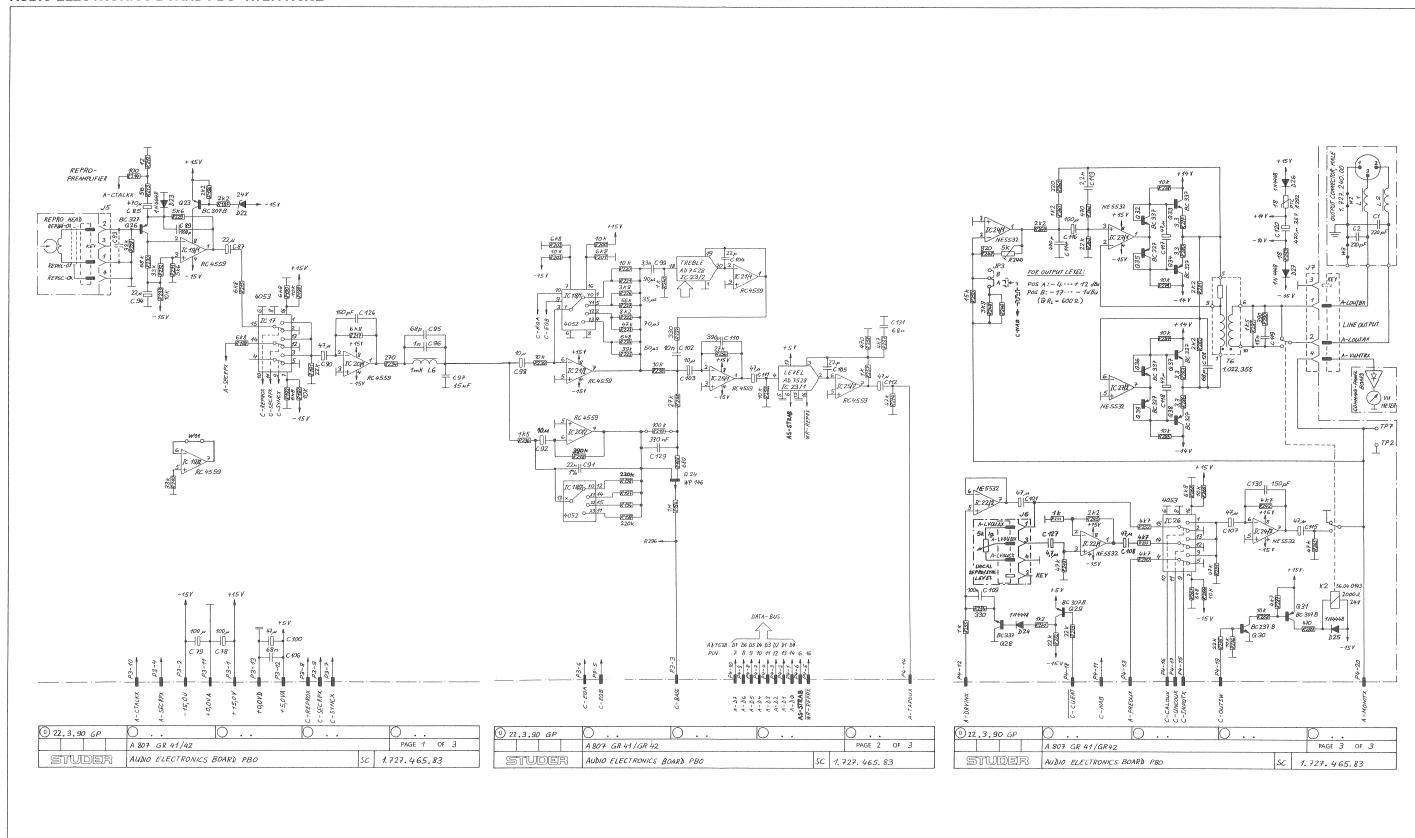


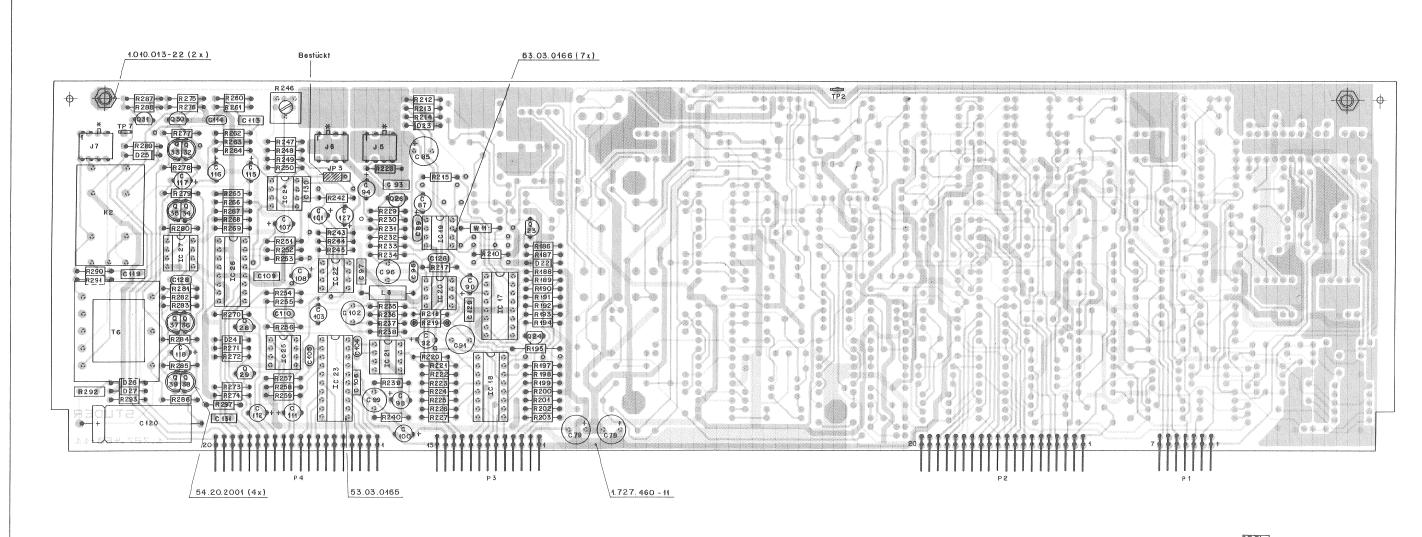


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C78	59.22.5101	100 uF	-20%	25V EL		C127	59.22.8479	4.7 uF	-20% 35V EL			NP7	50.20.2001	4 рсв				R195	57.11.3681	680 Ohm	2%, 0.25W, MF	
C79	59.22.5101	100 uF	-20%	25V EL		C128	59.34.4680	68 pF	10% 50V Cer				1.727.465.10	1 pcs	No. Label	S+		R196	0.11110001	000 011	not used	
C85	59.22.2471	470 uF	-20%	6.3V EL		C129	59.06.5334	330 nF	5% 50V PETP				1.727.420.12	1 pcs	Audio Electronics PCB	St		R197			not used	
C87	59.22.5220	22 uF	-20%	25V EL		C130	59.34.4151	150 pF	10% 50V Cer				1.010.013.22	2 рсв	Rivet Nut M3*3			R198	57.11.3164	160 kOhm	2%, 0.25W, MF	
C89			not u	bea		C131	59.06.0683	68 nF	10% 50V PETP			MP15	43.01.0108	1 рев	ESE Warning Label			R199	57.11.3164	160 kOhm	2%, 0.25W, MF	
C90	59.22.3470	47 uF	-20%	10V EL		C133	59.34.4101	100 pF	5% 50V Cer			MP16	53.03.0228	2 рев	1-Pole Socket (R219)			R200	57.11.3103	10 kOhm	2%, 0.25W, MF	
C91	59.05.1223	22 nF	1%	50V PP														R201	57.11.3682	6.8 kOhm	2%, 0.25W, MF	
C92	59.22.3470	47 uF	-20%	10V EL		D22	50.04.1121	24 V	5% 0.4W Zener			P1	54.01.0223	7-Pole	CIS Pin Strip			R202	57.11.3682	6.8 kOhm	2%, 0.25W, MF	
C93			not u	s e d.		D23	50.04.0125	1N4448	50V SI			P2	54.01.0261	20-Pole	CIS Pin Strip			R203	57.11.3103	10 kOhm	2%, 0.25W, MF	
C94	59.22.5220	22 uF	-20%	25V EL		D24	50.04.0125	1N4448	50V SI			P3	54.01.0273	13-Pole	CIS Pin Strip			R210	57.11.3333	33 kOhm	2%, 0.25W, MF	
C95	59.34.4680	68 pF	10%	50V Cer		D25	50.04.0125	1N4448	50V SI			P4	54.01.0261	20-Pole	CIS Pin Strip			R212	57.11.3120	12 Ohm	2%, 0.25W, MF	
C96	59.05.2102	1 nF	2.5%	50V PP		D26	50.04.0125	1N4448	50V SI									R213	57.11.3560	56 Ohm	2%, 0.25W, MF	
C97	59.06.0153	15 nF	10%	50V PETP		D27	50.04.0125	1N4448	50V SI			923	50.03.0515	BC307B	BC557B, BC560B PNP			R214	57.11.3101	100 Ohm	2%, 0.25W, MF	
C98	59.22.6100	10 uF	-20%	35V EL								924	50.03.0329	WP146	FET	Mot		R215	57.11.3682	6.8 kOhm	2%, 0.25W, MF	
C99	59.05.2332	3.3 nF	2.5%	50V PP		IC17	50.07.0015	MC 14053	CMOS Analog Switch	Mot		926	50.03.0625	BC327	PNP			R217	57.11.3682	6.8 kOhm	2%, 0.25W, MF	
C100	59.22.3470	47 uF	-20%	10V EL		IC18	50.07.0024	MC 14052	CMOS Analog Switch	Mot		928	50.03.0340	BC337-25	N PN			R218	57.11.5155	1.5 MOhm	5%, 0.25W, MF	
C101	59.22.3470	47 uF	-20%	LOV EL		IC19	50.09.0107	RC 4559	Dual Op. Amp.	Ra	9	929	50.03.0515	BC307B	BC557B, BC560B NPN			R219	57.11.3104	100 kOhm	2%, 0.25W, MF, with socket	
C102	.59.05.2103	10 nF	2.5%	50V PP		IC20	50.09.0107	RC 4559	Dual Op. Amp.	Ra		g30	50.03.0436	BC237B	BC547B, BC550B NPN			R220	57.11.3103	10 kOhm	2%, 0.25W, Mf	
C103	59.22.6100	10 uF	-20%	35V EL		IC21	50.09.0107	RC 4559	Dual Op. Amp.	Ra		931	50.03.0515	BC307B	BC557B, BC560B NPN			R221			not used	
C104	59.34.2220	22 pF	10%	50V Cer		IC22	50.09.0105	NE 5532	Dual Op. Amp.	Sig		932	50.03.0516	BC337	matched with 933, NPN			R222	57.11.3822	8.2 kOhm	2%, 0.25W, MF	
C105	59.34.2220	22 pF	10%	50V Cer		IC23	50.07.0026	AD 7528JN	Dual 8-bit D/A Converter	ADI		933	50.03.0516	BC337	matched with 932, NPN			R223	57.11.3473	47 kOhm	2%, 0.25W, MF	
C106	59.06.0683	68 nF	10%	50V PETP		IC24	50.09.0105	NE 5532	Dual Op. Amp.	Sig		934	50.03.0625	BC327	matched with Q35, PNP			R224		6.8 kOhm	2%, 0.25W, MF	
C107	59.22.3470	47 uF	-20%	LOV EL		IC25	50.09.0107	RC 4559	Dual Op. Amp.	Ra		935	50.03.0625	BC327	matched with 934, PNP			R225	57.11.3393	39 kOhm	2%, 0.25W, MF	
C108	59.22.3470	47 uF	-20%	10V EL		IC26	50.07.0015	MC 14053	CMDS Analog Switch	Mot	fe .	936	50.03.0516	BC337	matched with Q37, NPN			R226	57.11.3392	3.9 kOhm	2%, 0.25W, MF	
C109	59.06.0104	100 nF	10%	50V PETP		IC27	50.09.0105	NE 5532	Dual Op. Amp.	Sig		937	50.03.0516	BC337	matched with 936, NPN			R227	57.11.3563	56 kOhm	2%, 0.25W, MF	
C110	59.34.5391	390 pF	10%	50V Cer								938	50.03.0625	BC327	matched with 939, PNP			R228	57.11.3333	33 kOhm	2%, 0.25W, MF	
C111	59.22.3470	47 uF	-20%	10V EL		J5	54.01.0304	4-Pole	CIS Socket Strip	AMP		939	50.03.0625	BC327	matched with 938, PNP			R229	57.11.3562	5.6 kOhm	2%, 0.25W, MF	
C112	59.22.3470	47 uF	-20%	10V EL		J6	54.01.0304	4-Pole	CIS Socket Strip	AMP			0010010020	DOUL	maconea with woo, in			R230	57.11.3683	68 kOhm	2%, 0.25W, MF	
C113	59.06.0222	2.2 nF	10%	50V PETP		J7	54.01.0304	4-Pole	CIS Socket Strip	AMP		R186	57.11.3222	2.2 kOhn	2%, 0.25W, MF			R231	57.11.3562	5.6 kOhm	2%, 0.25W, MF	
C114	59.34.5471	470 pF	10%	50V Cer								R187	57.11.3222	2.2 kOhn	2%, 0.25W, MF			R232	57.11.3333	33 kOhm	2%, 0.25W, MF	
C115	59.22.3470	47 uF	-20%	10V EL		JP3	54.01.0021		Bridge			R188	57.11.3103	10 kOhn	2%, 0.25W, MF			R233	57.11.3103	10 kOhm	2%, 0.25W, MF	
C116	59.22.3101	100 uF	-20%	10V EL								R189	57.11.3682	6.8 kOhn	2%, O.25W, MF			R234	57.11.3271	270 Ohm	2%, 0.25W, MF	
C117	59.22.3470	47 uF	-20%	LOV EL		K2	56.04.0143	2*U	Relay, 24V, 2000 Ohm			R190	57.11.3682	6.8 kOhn	2%, 0.25W, MF			R235	57.11.3273	27 kOhm	2%, 0.25W, MF	
C118	59.22.3470	47 uF	-20%	LOV EL								R191	57.11.3223	22 kOhn	2%, 0.25W, MF			R236	57.11.3152	1.5 kOhm	2%, 0.25W, MF	
C119	59.06.0153	15 nF	10%	50V PETP		L6	62.01.0128	1 m H				R192	57.11.3682	6.8 kOhn	2%, 0.25W, MF			R237	57.11.3331	330 Ohm	2%, 0.25W, MF	
C120	59.25.5471	470 uF	-20%	35V EL								R193	57.11.3103	10 kOhn	2%, 0.25W, MF			R238	57.11.3103	10 kOhm	2%, 0.25W, MF	
C126	59.34.4151	150 pF	10%	50V Cer		MP3	54.01.0020	З ров	Contact Pin JP3			R194	57.11.3105	1 HOhn	2%, 0.25W, MF			R239	57.11.3103	10 kOhm	2%, 0.25W, MF	
STUDER (00					165.82 PAGE 1				CTRONICS BOARD PBO PL 1.727.465	5.82 PAGE 2	:				TRONICS BOARD PBO PL 1.727.465.	82 PAGE 3	STU				TRONICS BOARD PBO PL 1.727.46	i5.82

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IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT
                                                                                                                                                                                                    1 kOhm
4.7 kOhm
47 kOhm
1 kOhm
2.2 kOhm
5 kOhm
820 Ohm
3.9 kOhm
                                                                                                                                                                                                                                                                                         2%. 0.25%, MF
2%
                                                                                                                                                                                                       15 kOhm
47 kOhm
4.7 kOhm
4.7 kOhm
330 Ohm
1 kOhm
27 kOhm
27 kOhm
410 kOhm
410 kOhm
410 kOhm
410 kOhm
410 kOhm
10 kOhm
                                                                                                                  57.11.3453
57.11.3472
57.11.3472
57.11.3472
57.11.3472
57.11.3931
57.11.3102
57.11.3102
57.11.3103
57.11.3103
57.11.3471
57.11.3223
57.11.3471
57.11.3471
57.11.3471
57.11.3471
57.11.3473
57.11.3473
57.11.3473
57.11.3473
57.11.3223
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57.11.3223
57.11.3223
57.11.3223
57.11.3223
57.11.3223
57.11.3233
S T U D E R (OO) 89/07/03 GP AUDIO ELECTRONICS BOARD PBO
                                                                                                                                                                                                                                                                                                                                                                                                         PL 1.727.465.82 PAGE 5
   IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
                                                                                                                    57.11.3103
57.11.3103
57.11.3339
57.11.3222
57.11.3222
57.11.3239
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
57.11.3103
                                                                                                                                                                                                                                                                                             2%, 0.25%, MF

2%, 0.25%, MF
                                                                                                                                                                                                         10 kOhm
10 kOhm
3.3 Ohm
2.2 kOhm
2.2 kOhm
10 kOhm
10 kOhm
10 kOhm
4.7 kOhm
115 kOhm
115 kOhm
18 Ohm
18 Ohm
18 Ohm
                                            T.....6 1.022.355.00
                                                                                                                                                                                                                                                                                           Line Output Trafo
                                            TP....2
TP....7
                                                                                                           54.02.0320
54.02.0320
                                                                                                                                                                                                                                                                                             Plug 2.8*0.8
Plug 2.8*0.8
                                            W....11
                                                                                                                57.11.3000
                                                                                                                                                                                                                                                                                             Wire Bridge
                                                                                                                                                                                                                                                                                           IC Socket
                                            XIC..17
XIC..18
XIC..19
XIC..20
XIC..21
XIC..22
XIC..23
XIC..24
XIC..25
XIC..26
XIC..27
                                                                                                                    53.03.0168
53.03.0166
53.03.0166
53.03.0166
53.03.0166
53.03.0165
53.03.0165
53.03.0166
53.03.0166
53.03.0166
 S T U D E R (00) 89/07/03 GP AUDIO ELECTRONICS BOARD PBO
     IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
     MANUFACTURER: ADI = Analog Devices Inc.
NS = National Semiconductors
Sig = Signetics
St = Studer
STUDER (00) 89/07/03 GP AUDIO ELECTRONICS BOARD PB0 PL 1.727.465.82 PAGE 7
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R246 = OUTPUT LEVEL ADJUSTMENT

FACTORY STANDARD SETTING

JP3 OUTPUT LEVEL SENSITIVITY

TP2 0.0 V
TP7 VU METER SIGNAL (0.775 V = 0 VU)

D. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.		VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MAN
C78	59.22.5101	100 uF	-20% 25V EL		C127	59.22.8479	4.7 uF	-20% 35V EL		NP	10 1.727.465.10	1 pce	No. Label	St	R196			not used	
C79	59.22.5101	100 uF	-20% 25V EL		C128	59.34.4680	68 pF	10% 50V Cer			11 1.727.460.1	1 pce	Audio Electronics PCB	St	R197			not used	
C85	59.22.2471	470 uF	-20% 6.3V EL		C129	59.06.5334	330 nF	5% 50V PETP		MP		2 рев			R198	57.11.3224	220 kOhn	2%, 0.25W, MF	
C87	59.22.5220	22 uF	-20% 25V EL		C130	59.34.4151	150 pF	10% 50V Cer		MP			ESE Warning Label		R199	57.11.3224	220 kOhm	2%, 0.25W, MF	
C89	59.34,4101	100 pF	5% 50V Cer		C131	59.06.0683	68 nF	10% 50V PETP		MP		2 рев	1-Pole Socket (R219)		R200	57.11.3103	10 kOhm	2%, 0.25W, MF	
C90	59.22.3470	47 uF	-20% 10V EL									- 7			R201	57.11.3682	6.8 kOhm	2%, O.25W, MF	
C91	59.05.1223	22 nF	1% 50V PP		D22	50.04.1121	24 V	5% O.4W Zener		P	.1 54.01.0223	7-Pole	CIS Pin Strip		R202	57.11.3682	6.8 kOhm	2%, 0.25W, MF	
C92	59.26.2100	10 uF	20% 10V SAL		D23	50.04.0125	114448	50V SI		P		20-Pole	CIS Pin Strip		R203	57.11.3103	10 kOhn	2%, 0.25W, MF	
C93			not used		D24	50.04.0125	1N4448	50V SI		P		13-Pole	CIS Pin Strip		R210	57.11.3333	33 kOhm	2%, 0.25W, MF	
C94	59.22.5220	22 uF	-20% 25V EL		D25	50.04.0125	184448	50V SI		P		20-Pole	CIS Pin Strip		R212	57.11.3120	12 Ohm	2%, 0.25W, MF	
C95	59.34.4680	68 pF	10% 50V Cer		D26	50.04.0125	184448	50V SI							R213	57.11.3560	56 Ohm	2%, 0.25W, MF	
C96		1 nF	2.5% 50V PP		D27	50.04.0125	1N4448	50V SI		Q	23 50.03.0515	BC307B	BC557B, BC560B PNP		R214	57.11.3101	100 Ohm	2%, 0.25W, HF	
C97	59.06.0153	15 nF	10% 50V PETP		2111121	3010410113	184440			9			FET	Hot	R215	57.11.3682	6.8 kOhn	2%, 0.25W, MF	
C98		10 uF	-20% 35V EL		IC17	50.07.0015	MC 14053	CMOS Analog Switch	Mot	9		BC327	PNP		R217	57.11.3682	6.8 kOha	2%, 0.25W, MF	
C99		3.3 nF	2.5% 50V PP		IC18	50.07.0024	MC 14052	CMOS Analog Switch	Mat	9		BC337-25	NPN		R218	57.11.3394	390 kOhn	5%, 0.25W, MF	
C100		47 uF	-20% 10V EL		IC19	50.09.0107	RC 4559	Dual Op. Amp.	Ra	9		BC307B	BC557B, BC560B NPN		R219	57.11.3104	100 kOhn	2%, 0.25W, MF, with socket	
C101	59.22.3470	47 u.F	-20% 10V EL		IC20	50.09.0107	RC 4559	Dual Op. Amp.	Da.	9		BC237B	BC547B, BC550B NPN		R220	57.11.3103	10 kOhn	2%, 0.25W, MF	
C102		10 nF	2.5% 50V PP		IC21	50.09.0107	RC 4559	Dual Op. Amp.	Da Da	9		BC307B	BC557B, BC560B NPN		R221	3111110100	TO KOMA	not used	
C103		10 uF	-20% 35V EL		IC22	50.09.0107	NE 5532	Dual Op. Amp.	Sia	Q		BC337	matched with Q33, NPN'		R222	57.11,3822	8.2 kOhm	2%, 0.25W, NF	
C104		22 pF	10% 50V Cer		IC23	50.07.0026	AD 7528JN	Dual 8-bit D/A Converter	ADT	9		BC337	matched with Q32, NPN		R223	57.11.3473	47 kOhu	2%, 0.25W, MF	
C105		22 pF	10% 50V Cer		IC24	50.09.0105	NE 5532	Dual Op. Amp.	Sig	9		BC327	matched with Q35, PNP		R224	57.11.3682	6.8 kOhn	2%, 0.25W, MF	
C106		68 nF	10% SOV PETP		IC25	50.09.0103	RC 4559	Dual Op. Amp.	Ra	9		BC327	matched with 934, PNP		R225	57.11.3393	39 kOhn	2%, 0.25W, MF	
C107	59,22,3470	47 uF	-20% 10V EL		IC26	50.07.0015	MC 14053	CMOS Analog Switch	Mot 4	9		BC337	matched with 937, NPN		R226	57.11.3392	3.9 kOhm	2%, 0.25W, MF	
C108		47 uF	-20% 10V EL		IC27	50.09.0105	NE 5532	Dual Op. Amp.	Sig	9		BC337	matched with 936, NPN		R227	57.11.3563	56 kOhm	2%, 0.25W, MF	
C109		100 nF	10% 50V PETP		1027	30.09.0103	NL JJJZ	Dual Op. Hmp.	Sig	9		BC327	matched with 939, PNP		R228	57.11.3333	33 kOh#	2%, 0.25W, MF	
C110		390 pF	10% 50V Cer		7 6	54.01.0304	4-Pole	CIS Socket Strip	ANP	9		BC327	matched with Q38, PNP		R229	57.11.3562	5.6 kOhm	2%, 0.25W, MF	
C111		47 uF	-20% 10V EL		J5 J6	54.01.0304	4-Pole	CIS Socket Strip	AND	****	39 30.03.002.	DCJ21	MECCHICA WITH MOOF INC		R230	57.11.3683	68 kOhm	2%, 0.25W, MF	
C112		47 uF	-20% 10V EL			54.01.0304	4-Pole	CIS Socket Strip	AND	R	86 57.11.3222	2.2 kOhm	2%, 0.25W, MF		R231	57.11.3562	5.6 kOhm	2%, 0.25W, MF	
C113		2.2 nF	10% 50V PETP		J7	34.01.0304	4-1016	CID DOCKER DELIP	MILE	· R			2%, 0.25W, MF		R232	57.11.3333	33 kOhm	2%, 0.25W, MF	
C114		470 pF	10% 50V Cer		JP3	54.01.0021		Bridge		R			2%, 0.25W, MF		R233	57.11.3103	10 kOhm	2%, 0.25W, MF	
C115		47 uF	-20% 10V EL		31	34.01.0021		Dr rage		R			2%, 0.25W, MF		R234	57.11.3271	270 Ohm	2%, 0.25W, NF	
C116		100 uF	-20% 10V EL		¥ 2	56.04.0143	2*U	Relay, 24V, 2000 Ohm		R			2%, 0,25W, MF		R235	57.11.3273	27 kOhm	2%, 0.25W, MF	
C117	59.22.3470	47 uF	-20% 10V EL		K2	30.04.0143	2*0	Relay/ 244/ ZOOO Olim		R			2%, 0.25W, MF		R236	57.11.3152	1.5 kOhm	2%, 0.25W, NF	
C118		47 uF	-20% 10V EL		1 4	62.01.0128	1 m H						2%, 0.25W, MF		R237	57.11.3132	330 Ohm	2%, 0.25W, NF	
C119		15 nF	10% 50V PETP		L6	02.01.0128	TWH			R			2%, 0.25W, MF		R238	57.11.3331	10 kOh#	2%, 0.25W, NF	
C120		470 uF	-20% 35V EL		MD 2	F4 A1 0000		Costact Pin JP3		R			2%, 0.25W, MF		R239	57.11.3103	10 kOhm	2%, 0.25W, MF	
C126		150 pF	10% 50V Cer		MP3	54.01.0020	3 рсв			R						57.11.3103	1 kOhm	2%, 0.25W, NF	
C120	57.54.4151	rao pr	10% 307 CBI		MP7	50.20.2001	4 рсв	Clip, 2*T092		R	95 57.11.36B	680 Ohm	2%, 0.25W, MF		R240	57.11.3102	Y KOUM	247 0.2347 111	

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IND. POS.NO.
                                                                                               PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
                                                                                                             57.11.3472
57.11.3473
57.11.3102
57.11.3222
58.01.8502
57.11.3821
57.11.3392
                                                                                                                                                                                                                                                                   2X. 0.25M, MF
2X. 0.25M, MF
2X. 0.25M, MF
10X. 0.25M, MF
10X. 0.25M, MF
2X. 0.25M, MF
                                           57.11.3153
57.11.3472
57.11.3472
57.11.3472
57.11.3472
57.11.3472
57.11.3102
57.11.3102
57.11.3102
57.11.3123
57.11.3123
57.11.3223
57.11.3223
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57.11.3223
57.11.3223
57.11.3223
57.11.3223
                                                                                                                                                                                     15 kOhm 47 kOhm 47 kOhm 12 kOhm 13 kOh
    S T U D E R (00) 90/03/12 GP
                                                                                                                                                                                  AUDIO ELECTRONICS BOARD PBO
                                                                                                                                                                                                                                                                                                                                                                   PL 1.727.465.83 PAGE 5
    IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MANUF.
                                                                                                        57.11.3103
57.11.3339
57.11.3222
57.11.3222
57.11.3339
57.11.3103
57.11.3103
57.11.3472
57.11.3472
57.11.3473
57.11.3473
57.11.3515
57.11.3153
57.11.3153
57.11.3153
                                                                                                                                                                                     10 k0hm
3.3 Ohm
2.2 k0hm
2.2 k0hm
3.3 Ohm
10 k0hm
10 k0hm
10 k0hm
10 k0hm
15 k0hm
17 k0hm
18 Ohm
18 Ohm
18 Ohm
18 Ohm
                                                                                                                                                                                                                                                                2%, 0.25%, MF

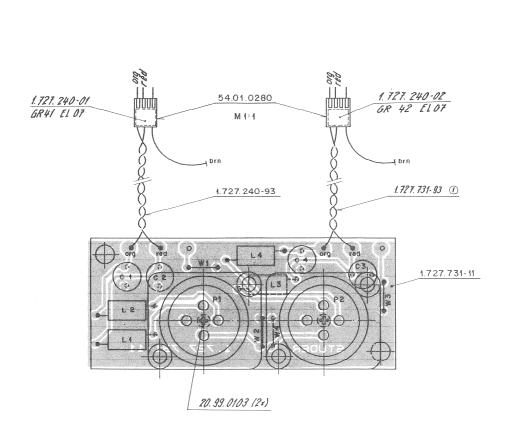
2%, 0.25%, MF
                                       R. . . 279
R. . . 280
R. . . 281
R. . . 282
R. . . 283
R. . . 285
R. . . 286
R. . . 286
R. . . 287
R. . . 289
R. . . 290
R. . . 291
R. . . 293
R. . . 293
R. . . 293
                                       T....6
                                                                                                1.022.355.00
                                                                                                                                                                                                                                                                Line Output Trafo
                                                                                                     54.02.0320
54.02.0320
                                                                                                                                                                                                                                                                Plug 2.8*0.8
Plug 2.8*0.8
                                         TP....2
TP....7
                                       W....11
                                                                                                          57.11.3000
                                                                                                                                                                                                                                                                Wire Bridge
                                       XIC..17
XIC..18
XIC..20
XIC..21
XIC..22
XIC..23
XIC..24
XIC..25
XIC..25
XIC..26
                                                                                                          53.03.0168
53.03.0168
53.03.0166
53.03.0166
53.03.0166
53.03.0165
53.03.0165
53.03.0168
53.03.0168
53.03.0168
                                                                                                                                                                                           16-Pole
16-Pole
8-Pole
8-Pole
8-Pole
8-Pole
20-Pole
8-Pole
8-Pole
8-Pole
8-Pole
                                                                                                                                                                                                                                                               IC Socket
S T U D E R (00) 90/03/12 GP AUDIO ELECTRONICS BOARD PBC
                                                                                                                                                                                                                                                                                                                                                              PL 1.727.465.83 PAGE 6
   IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
 Cer = Ceramic EL = Electrolytic PETP = Polyester
PP = Polypropylen MF = Metal Film SI = Silicon
 MANUFACTURER: ADI = Analog Devices Inc.

NS - National Semiconductors

Sig = Signetics

St = Studer
ORIG 90/03/12
S T U D E R (OO) 90/03/12 GP AUDIO ELECTRONICS BOARD PBO PL 1.727.465.83 PAGE 7
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OUTPUT CONNECTOR (2CH) 1.727.731.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
				201 201 201 201 201 201 201 201 201 201	
	C1	59.05.1221	220 pF	1 % 630V PP	
	C2	59.05.1221	220 pF	1 % 630V PP	
	C3	59.05.1221	220 pF	1 % 630V PP	
	C4	59.05.1221	220 pF	1 % 630V PP	
	L1	62.01.0115		Interference Coil, Note 1	Ph
	L2	62.01.0115		Interference Coil, Note 1	Ph
	L3	62.01.0115		Interference Coil, Note 1	Ph
	L4	62.01.0115		Interference Coil, Note 1	Ph
	MP1	20.99.0103	2 рся	Screw D 2.2 * 5	
	MP2	54.01.0280	2 рсв	4-Pole CIS-Case	AMP
		1.727.240.01	1 pce	Text Label 'GR41 ELO7'	ST
	MP4	1.727.240.02	1 pce	Text Label 'GR42 EL07'	ST
	MP5	1.727.240.93	2 рев	Wiring List	ST
	MP6	1.727.731.10	1 pce	Nr. Label	ST
	MP7	1.727.731.11	1 pce	OUTPUT CONNECTOR PCB	ST
	P1	54.21.2001		XLR, Male	Neu
	P2	54.21.2001		XLR, Male	Neu
	W1	1.010.323.64		Wire Bridge	
	W2	1.010.323.64		Wire Bridge	
	W3	1.010.323.64		Wire Bridge	
	W4	1.010.323.64		Wire Bridge	

Note 1: Philips 4312 020 36700

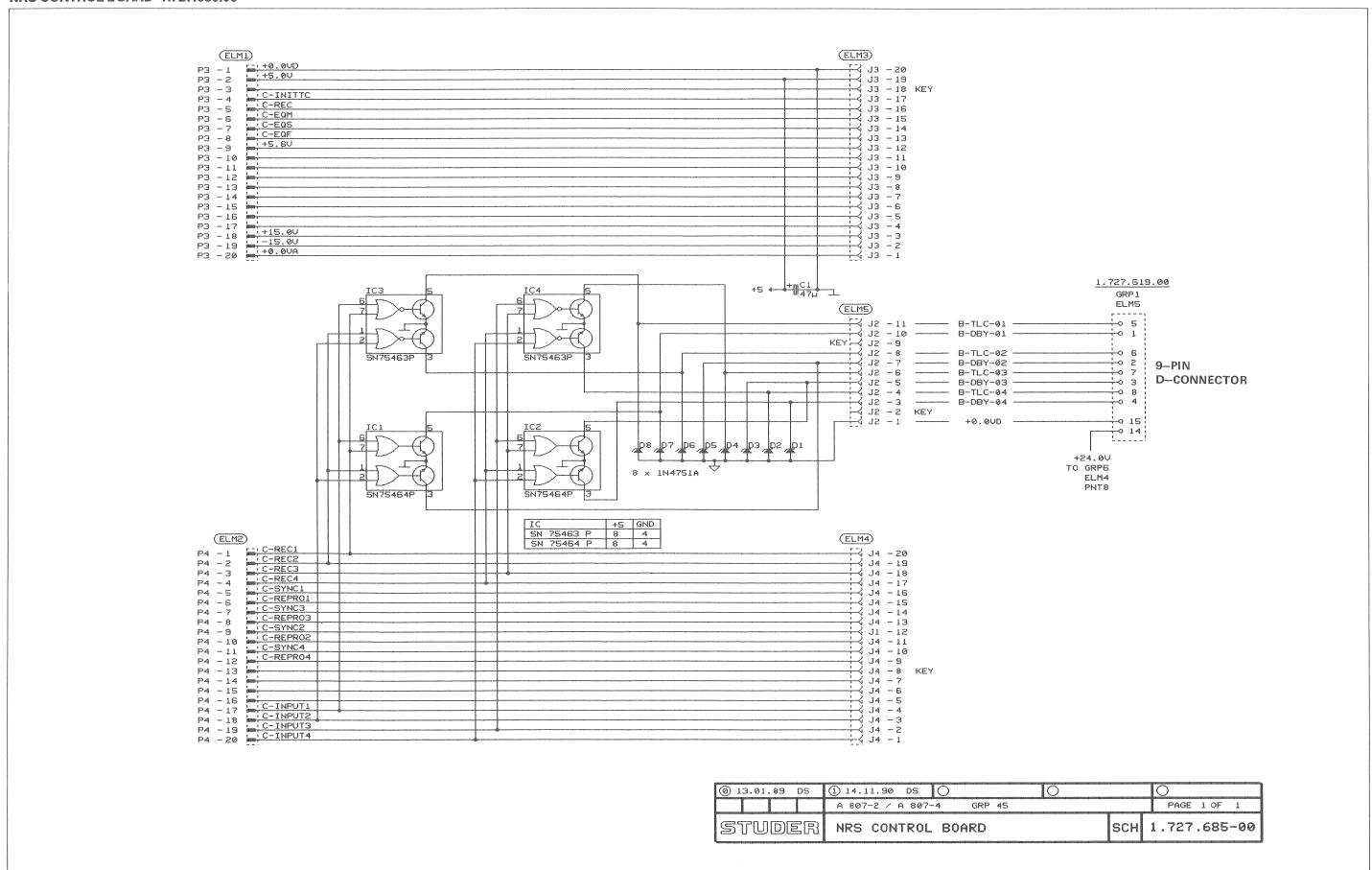
PP= Polypropylen

MANUFACTURER: AMP= AMP, Neu= Neutrik, Ph= Philips, ST= Studer

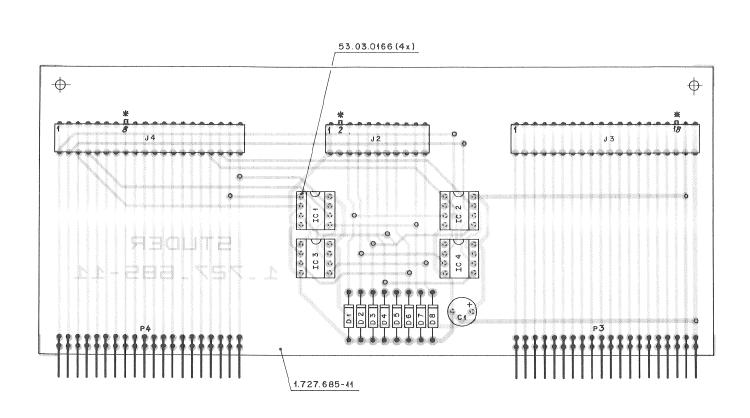
ORIG 89/03/06

S T U D E R (00) 89/03/06 DS OUTPUT CONNECTOR PL 1.727.731.00 PAGE 1

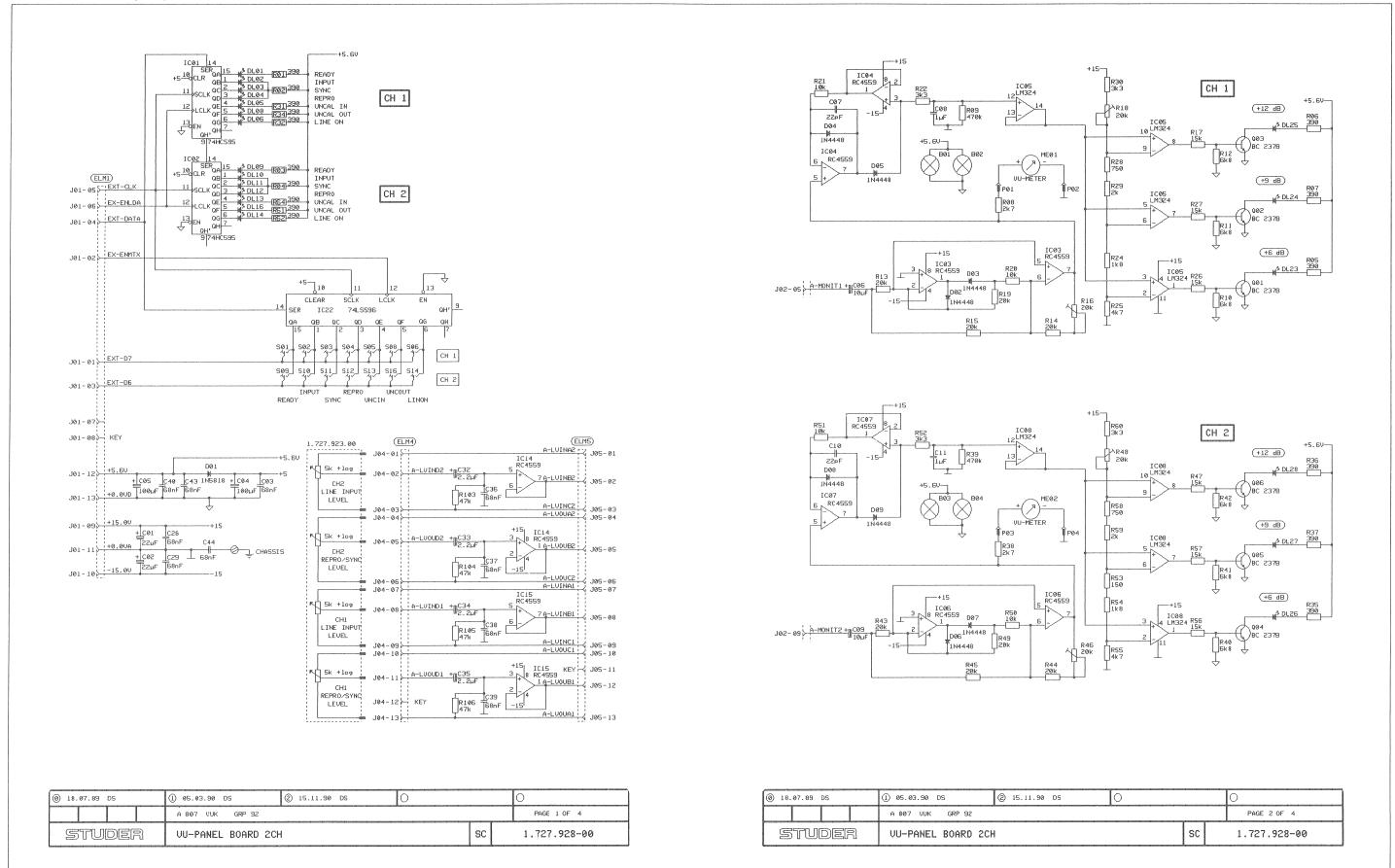
NRS CONTROL BOARD 1.727.685.00

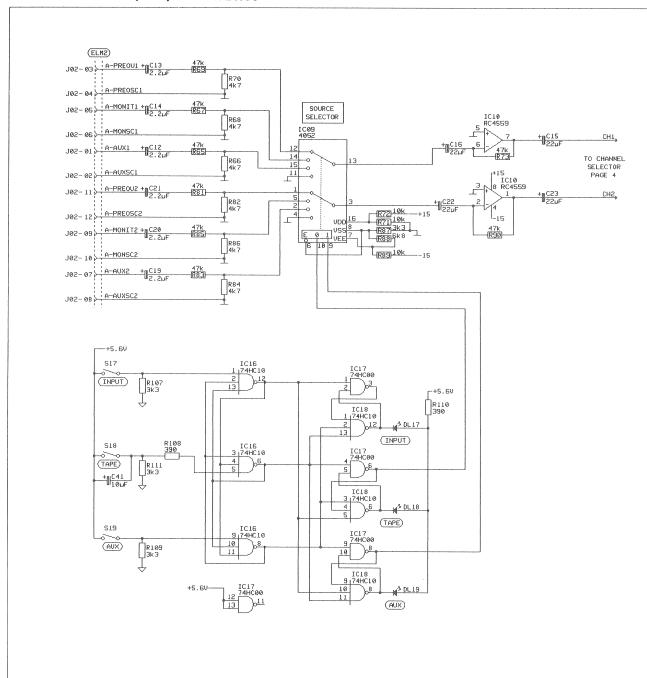


NRS CONTROL BOARD 1.727.685.00

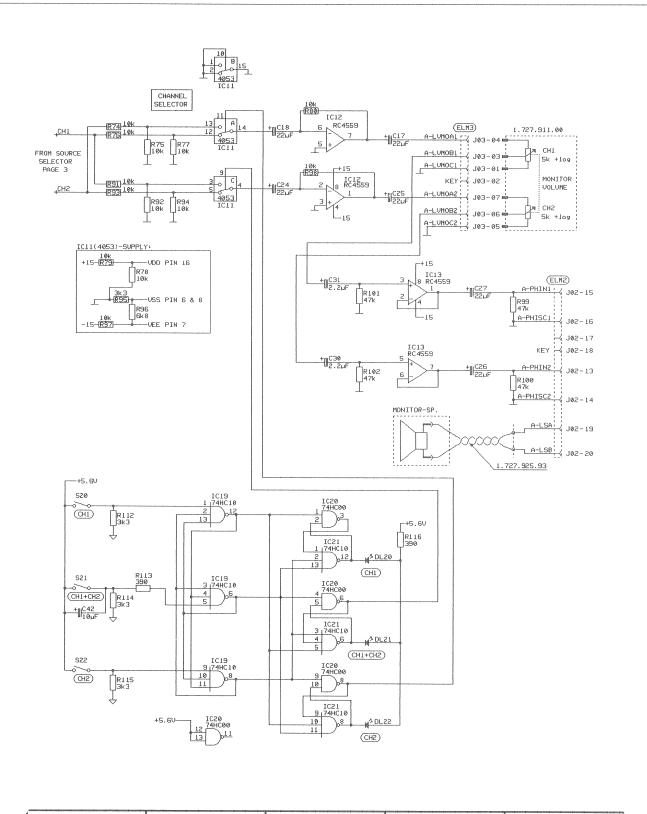


IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C1	59.22.5470	47 uF	-20% 25V EL	
	D1	50.04.1506	30 V Z	BZX61C30, BZV85C30, ZY30, 1N4751	
	D2	50.04.1506	30 V Z	BZX61C30, BZV85C30, ZY30, 1N4751	A ITT, Mot, Ph
	D3	50.04.1506	30 V Z	BZX61C30, BZV85C30, ZY30, 1N4751	
	D4 D5	50.04.1506 50.04.1506	30 V Z 30 V Z	BZX61C30, BZV85C30, ZY30, 1N4751	A ITT, Mot, Ph
	D6	50.04.1506	30 V Z	BZX61C30, BZV85C30, ZY30, 1N4751	
	D7	50.04.1506	30 V Z	BZX61C30, BZV85C30, ZY30, 1N4751 BZX61C30, BZV85C30, ZY30, 1N4751	
	D8	50.04.1506	30 V Z	BZX61C30, BZV85C30, ZY30, 1N4751	
	J	30.04.1308	30 Y Z	BEAGICSU, BEAGSC30, 2130, 184/51	A III/Mot/Ph
	IC1	50.05.0204	SN75464P	Dual NOR-Driver o.c.	NSC, TI
	IC2	50.05.0204	SN75464P	Dual NOR-Driver o.c.	NSC.TI
	IC3	50.05.0203	SN75463P	Dual OR-Driver o.c.	NSC, TI
	IC4	50.05.0203	SN75463P	Dual OR-Driver o.c.	NSC,TI
	J2	54.01.0308	11-Pole	CIS Socket Strip	AMP
	J3	54.01.0248	20-Pole	CIS Socket Strip	AMP
	J4	54.01.0248	20-Pole	CIS Socket Strip	AMP
	ИР1	1.727.685.10	1 pce	No. Label	
	MP2	1.727.685.11	1 pce	NRS Control PCB	
	P3	54.01.0261	20-Pole	CIS Pin Strip	AMP
	P4	54.01.0261	20-Pole	CIS Pin Strip	AMP
	XIC1	53.03.0166	8-Pole	IC-Socket	
	XIC2	53.03.0166	8-Pole	IC-Socket	
	XIC3	53.03.0166	8-Pole	IC-Socket	
	KIC4	53.03.0166	8-Pole	IC-Socket	
MARIIE	ACTURED. T	TT-T-4	M - 6 - M - 6 1 -	. TI≈Texas Instruments	
		SC=National Semi			
ORIG	88/09/08				
STU	DER (00) 88/09/08 DS	NRS CONTROL	BOARD 4CH FL 1.727.685	.00 PAGE 1
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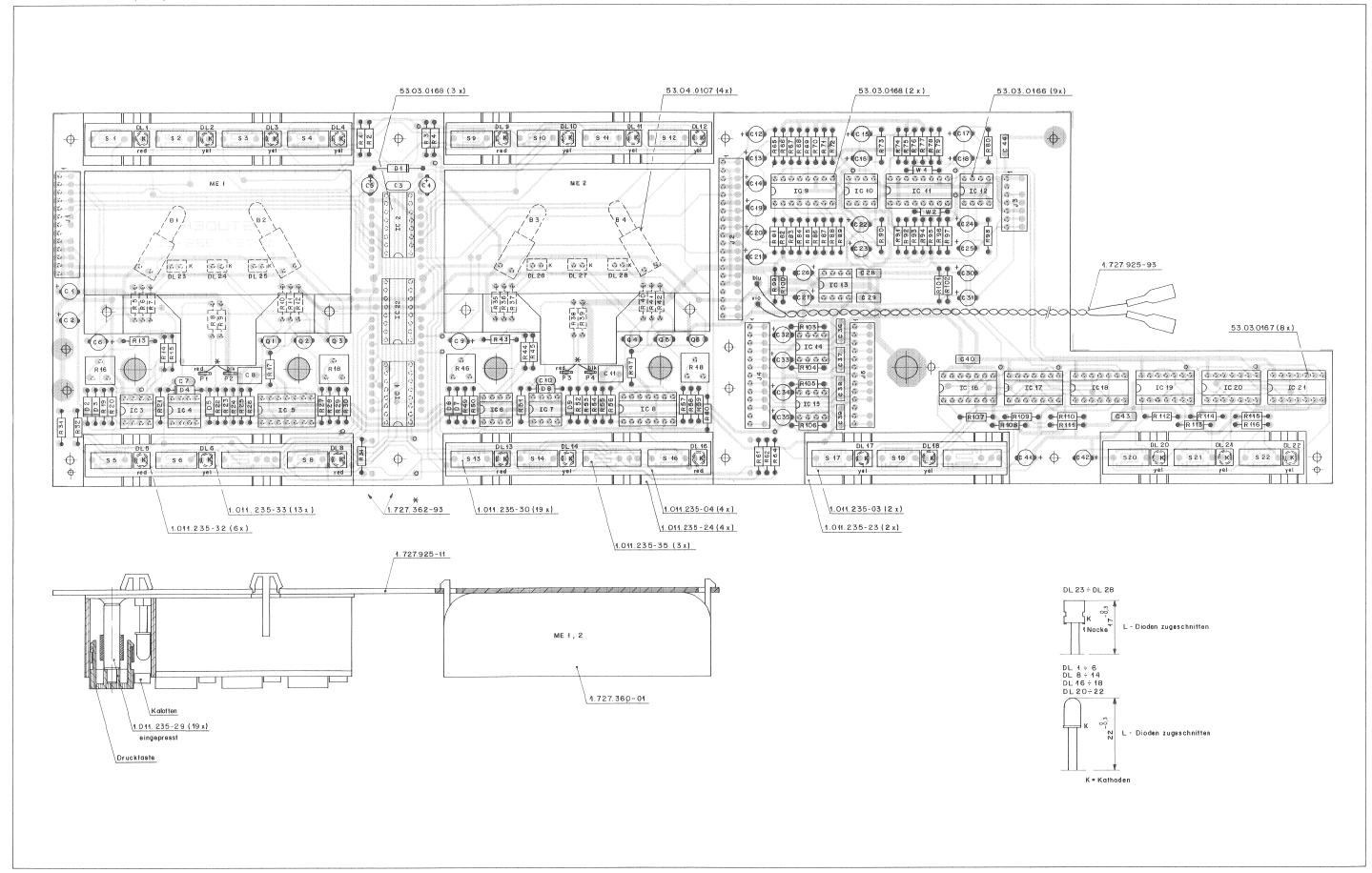




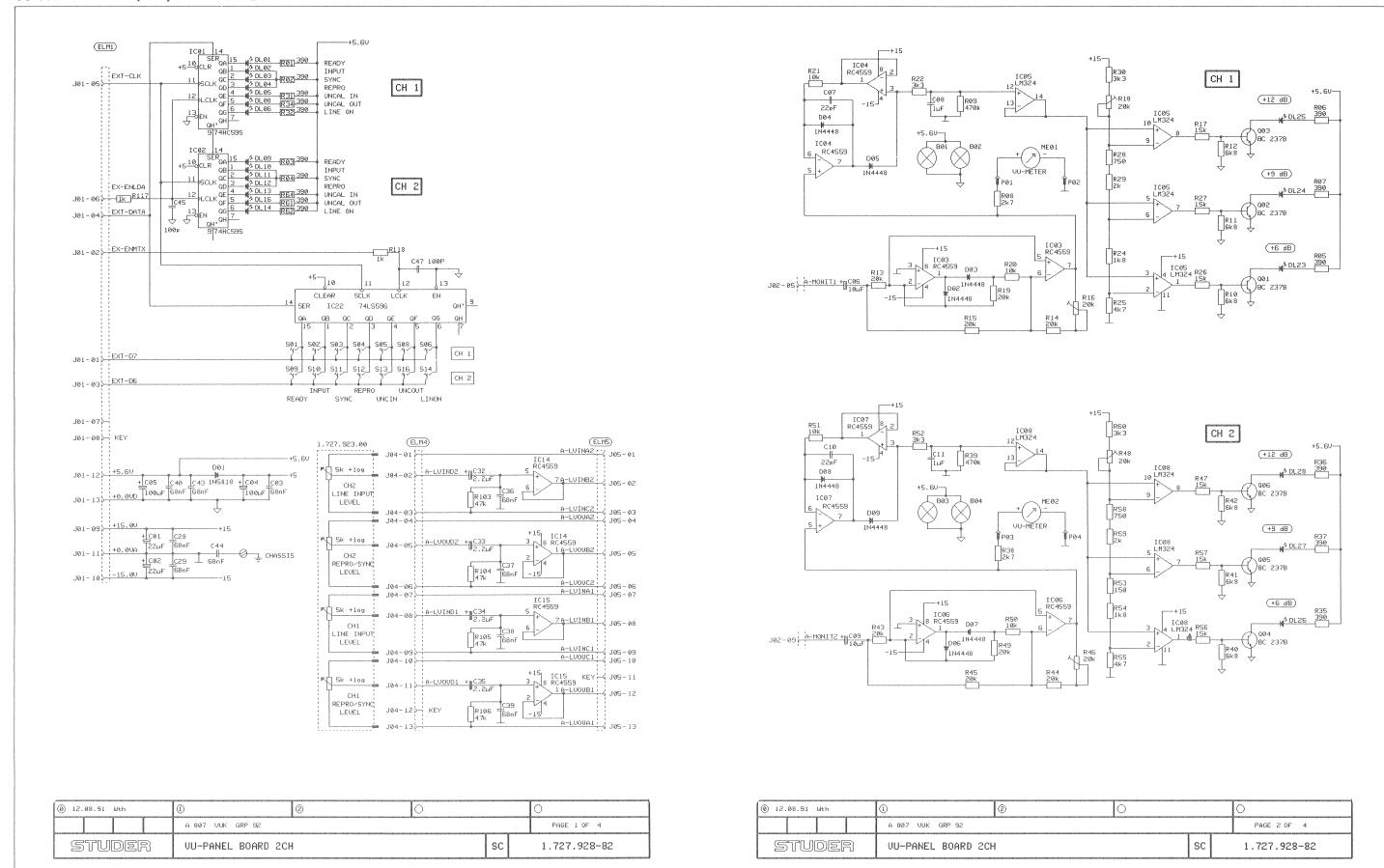
∅ 18.07.89 DS	① 05.03.90 DS	② 15.11.90 DS	0	valoriore de la companya de la comp	
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STUDER	VU-PANEL BOARD 2CH			sc	1.727.928-00

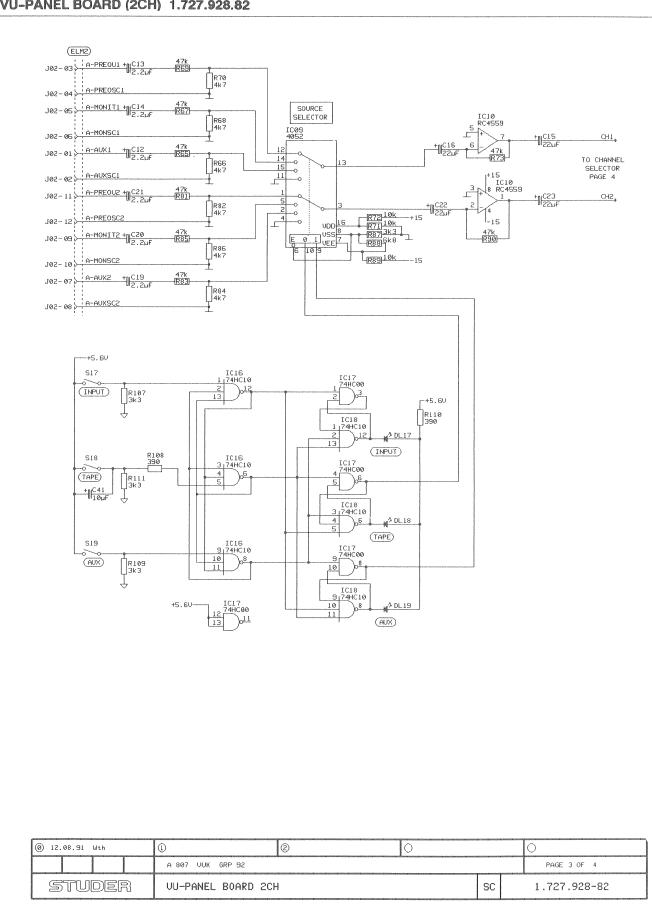


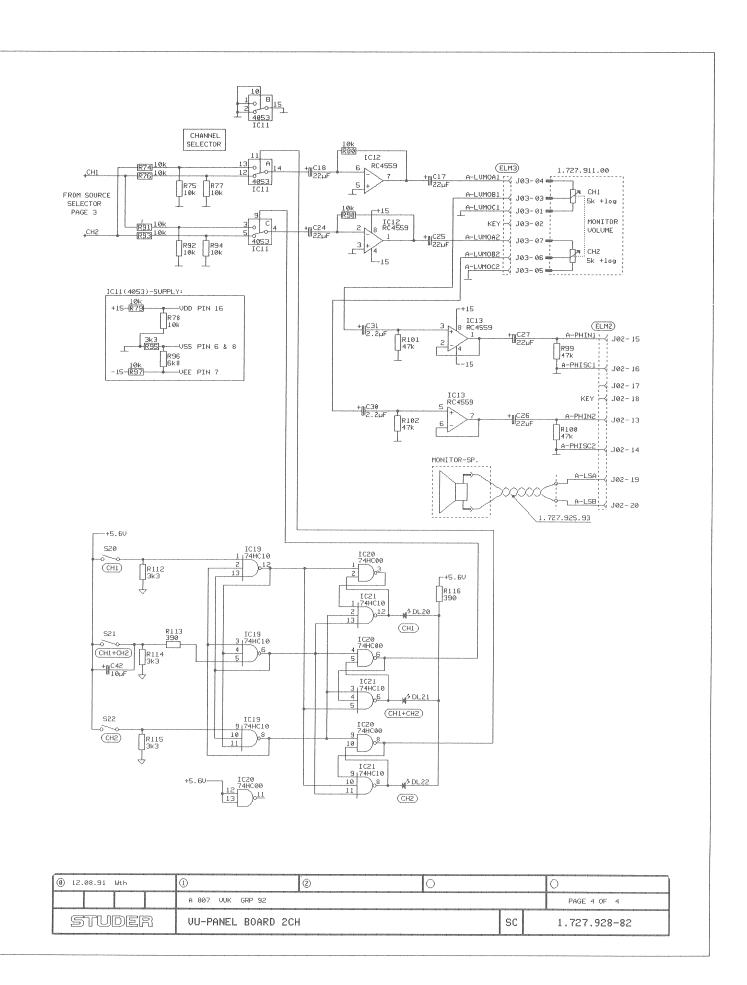
@ 18.07.89 DS	① 05.03.90 DS ② 15.11.90 DS				0		
	A 807 VUK GRP 92				PAGE 4 OF 4	The state of the s	
STUDER	VU-PANEL BOARD 2CH	1		sc	1.727.928-00	10000000000000000000000000000000000000	
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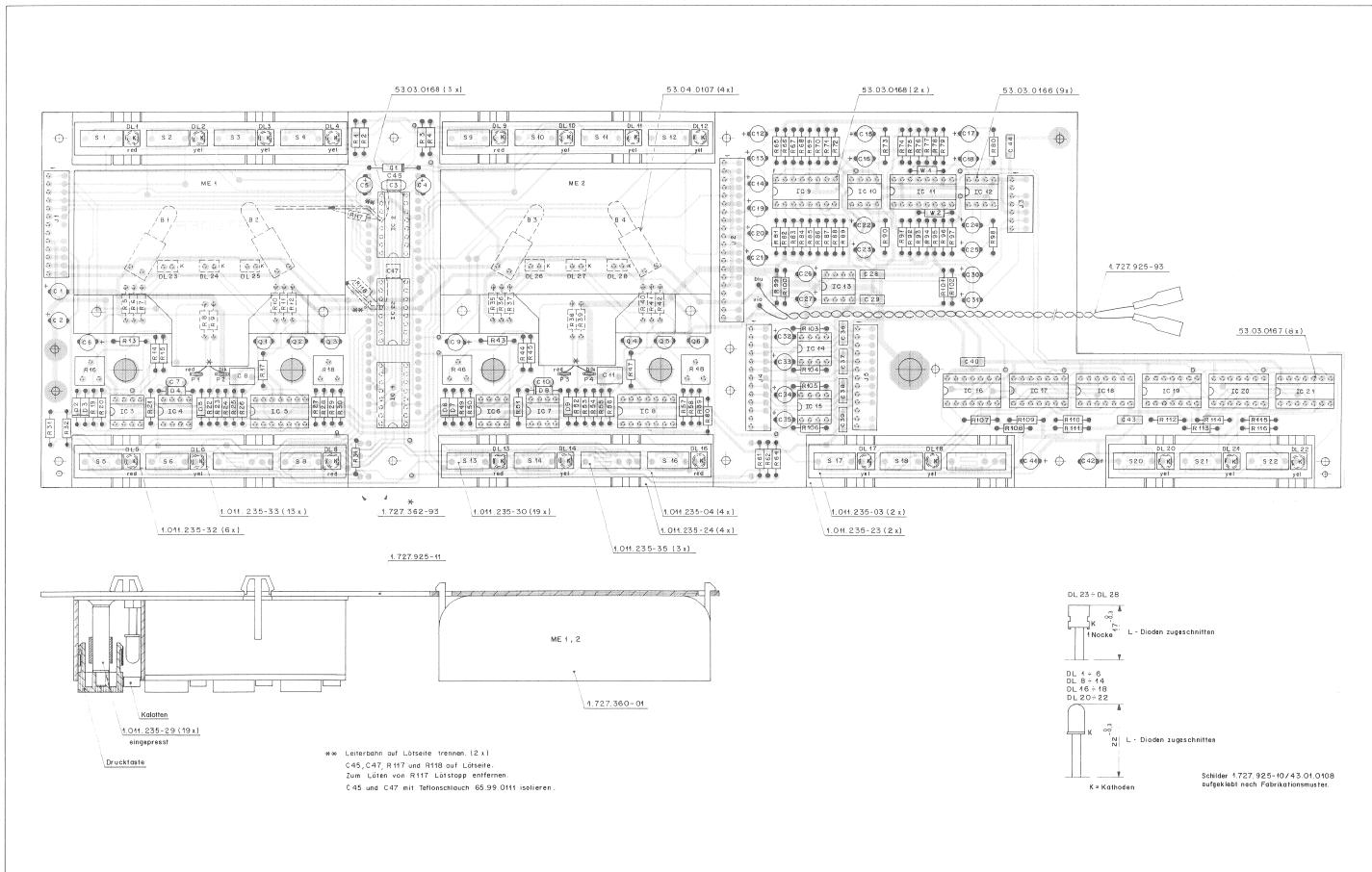


IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE SPECIFICATIONS /		ANUF.
B1 B2 B3 B4	51.02.0144 51.02.0144 51.02.0144 51.02.0144	6 V 6 V 6 V 6 V	0.03 A Bulb 0.03 A Bulb 0.03 A Bulb 0.03 A Bulb		J2 J3 J4 J5	54.01.0237 54.01.0263 54.01.0299 54.01.0299	20-pole 7-pole 13-pole 13-pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP AMP	R72 R73 R74 R75	57.11.3103 57.11.3473 57.11.3103 57.11.3103	10 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF		
C1 C2 C3	59.22.5220 59.22.5220 59.06.0683	22 uf 22 uf 68 nf	-20% 25 V EL -20% 25 V EL 10% 50 V PETP		ME1 ME2	1.727.360.01 1.727.360.01		VU Meter VU Meter	ST ST	R76 R77 R78 R79	57.11.3103 57.11.3103 57.11.3103 57.11.3103	10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF		
C4 C5 C6 C7	59.22.3101 59.22.3101 59.22.6100 59.34.2220	100 uF 100 uF 10 uF 22 pF	-20% 10 V EL -20% 10 V EL -20% 25 V EL 10% 50 V CER		MP1 MP2 MP3 MP4	43.01.0108 53.03.0221 1.011.235.03 1.011.235.04	1 pcs 26 pcs 2 pcs 4 pcs	ESE Warning label 2-pole LED Socket Push button case 3* Push button case 4* Conductive rubber 3*	ST ST ST	R80 R81 R82 R83 R84	57.11.3103 57.11.3473 57.11.3472 57.11.3473 57.11.3472	10 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 4.7 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 4.7 kOhm 1%, 0.25W, MF		
C9 C10 C11	59.06.0105 59.22.6100 59.34.2220 59.06.0105 59.22.8229	1 uf 10 uf 22 pf 1 uf	10% 50 V PETP -20% 25 V EL 10% 50 V CER 10% 50 V PETP -20% 25 V EL		MP5 MP6 MP8 MP9	1.011.235.23 1.011.235.24 1.011.235.29 1.011.235.30 1.011.235.32	2 pcs 4 pcs 19 pcs 19 pcs 6 pcs	Conductive rubber 4* Bolt Push buttos 14*5 Calotte red	ST ST ST ST	R85 R86 R87 R88	57.11.3473 57.11.3472 57.11.3332 57.11.3682	47 kOhm 1%, 0.25W, MF 4.7 kOhm 1%, 0.25W, MF 3.3 kOhm 1%, 0.25W, MF 6.8 kOhm 1%, 0.25W, MF		
C12 C13 C14 C15 C16	59.22.8229 59.22.8229 59.22.8229 59.22.5220 59.22.5220	2.2 uf 2.2 uf 2.2 uf 22 uf 22 uf	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL		MP10 MP11 MP12 MP13	1.011.235.33 1.011.235.35 1.727.362.93 1.727.928.10	13 pcs 3 pcs 2 pcs 1 pcs	Calotte yel Dummy push button 19*5 Wiring List VU-Meter No. Label	ST ST ST ST	R89 R90 R91 R92	57.11.3103 57.11.3473 57.11.3103 57.11.3103	10 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF		
C17 C18 C19 C20	59.22.5220 59.22.5220 59.22.8229 59.22.8229	22 uF 22 uF 2.2 uF 2.2 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL		MP14 MP15 P1	1.727.928.11 1.727.925.93 54.02.0320	1 pcs 1 pcs	VU PANEL PCB Wiring List VU-Panel Board Plug 2.8*0.8	ST ST AMP	R93 R94 R95 R96	57.11.3103 57.11.3103 57.11.3332 57.11.3682	10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 3.3 kOhm 1%, 0.25W, MF 6.8 kOhm 1%, 0.25W, MF		
C21 C22 C23 C24	59.22.8229 59.22.5220 59.22.5220 59.22.5220	2.2 uf 22 uf 22 uf 22 uf	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL		P2 P3 P4	54.02.0320 54.02.0320 54.02.0320 50.03.0436	BC237B	Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8 BC547B, BC550B NPN	AMP AMP AMP	R97 R98 R99 R100 R101	57.11.3103 57.11.3103 57.11.3473 57.11.3473 57.11.3473	10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF		
C25 C26 C27 C28 C29	59.22.5220 59.22.5220 59.22.5220 59.06.0683 59.06.0683	22 uf 22 uf 22 uf 68 nf 68 nf	-20% 25 V EL -20% 25 V EL -20% 25 V EL 10% 50 V PETP 10% 50 V PETP		91 92 93 94 95	50.03.0436 50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN		R102 R103 R104 R105	57.11.3473 57.11.3473 57.11.3473 57.11.3473	47 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF 47 kOhm 1%, 0.25W, MF		
C30 C31 C32	59.22.8229 59.22.8229 59.22.8229	2.2 uF 2.2 uF 2.2 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL		Q6	50.03.0436 57.11.3391	BC237B 390 Ghm	BC547B, BC550B NPN 1%, 0.25W, MF		R106 R107 R108	57.11.3473 57.11.3332 57.11.3391	47 kOhm 1%, 0.25%, MF 3.3 kOhm 1%, 0.25%, MF 390 Ohm 1%, 0.25%, MF		
STUDER	(O1) 90/01/11 DS	VU PANEL	BOARD 2CH PL 1.727.5	928.00 PAGE 1	STUDER ((01) 90/01/11 DS	VU PANEL BOA	ARD 2CH PL 1.727.92	28.00 PAGE 4	STUDER (01)	90/01/11 DS	VU PANEL BOARD 2CH	PL 1.727.928.00 PAGE	E 7
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	HANUF.	IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE SPECIFICATIONS /		ANUF.
C33 C34	59.22.8229 59.22.8229	2.2 uF 2.2 uF	-20% 25 V EL -20% 25 V EL		R2 R3	57.11.3391 57.11.3391 57.11.3391		1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		R109 R110 R111	57.11.3332 57.11.3391 57.11.3332	3.3 kOhm 1%, 0.25W, MF 390 Ohm 1%, 0.25W, MF 3.3 kOhm 1%, 0.25W, MF		ne dell' tell' mell' men
C35 C36 C37 C38 C39	59.22.8229 59.06.0683 59.06.0683 59.06.0683 59.06.0683	2.2 uF 68 nF 68 nF 68 nF	-20% 25 V EL 10% 50 V PETP 10% 50 V PETP 10% 50 V PETP 10% 50 V PETP		R4 R5 R6 R7	57.11.3391 57.11.3391 57.11.3391 57.11.3272	390 Ohm 390 Ohm 390 Ohm 2.7 kOhm	12, 0.25W, MF 12, 0.25W, MF 12, 0.25W, MF 12, 0.25W, MF		R112 R113 R114 R115	57.11.3332 57.11.3391 57.11.3332 57.11.3332	3.3 kOhm 1%, 0.25W, MF 390 Ohm 1%, 0.25W, MF 3.3 kOhm 1%, 0.25W, MF 3.3 kOhm 1%, 0.25W, MF		
C40 C41 C42 C43	59.06.0683 59.22.6100 59.22.6100 59.06.0683	68 nF 10 uF 10 uF 68 nF	10% 50 V PETP -20% 25 V EL -20% 25 V EL 10% 50 V PETP		R9 R10 R11 R12	57.11.3474 57.11.3682 57.11.3682 57.11.3682	470 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		R116 XB1 XB2	57.11.3391 53.04.0107 53.04.0107	390 Ohm 1%, 0.25W, Mf Bulb Socket Bulb Socket		
D1 D2	59.06.0683 50.04.0512 50.04.0125	68 nF 1N5818 1N4448	10% 50 V PETP 30 V Schottky 50 V Si		R13 (00) R14 (01) R14 R15 (00) R16	57.11.3203 57.11.3203 57.11.3822 57.11.3203 58.01.8203	20 kOhm 20 kOhm 8.2 kOhm 20 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 10%, 0.5 W, PCecm		XB3 XB4 XIC1 XIC2	53.04.0107 53.04.0107 53.03.0168 53.03.0168	Bulb Socket Bulb Socket 16-pole IC Socket 16-pole IC Socket		
D3 D4 D5 D6 D7	50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V Si 50 V Si 50 V Si 50 V Si 50 V Si		(00) R16 (01) R16 R17 (00) R18 (01) R18	58.01.8503 57.11.3153 58.01.8203 58.01.8503	50 kOhm 15 kOhm 20 kOhm	10%, 0.5 W. PCerm 1%, 0.25W, MF 10%, 0.5 W. PCerm 10%, 0.5 W. PCerm		XIC3 XIC4 XIC5 XIC6	53.03.0166 53.03.0166 53.03.0167 53.03.0166	8-pole IC Socket 8-pole IC Socket 14-pole IC Socket 8-pole IC Socket		
D8 D9	50.04.0125 50.04.0125 50.04.2115	1N4448 1N4448 MV5752	50 V Si 50 V Si LED red D=5 mm	GI	R19 R20 R21 R22	57.11.3203 57.11.3103 57.11.3103 57.11.3332	20 kOhm 10 kOhm 10 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		XIC7 XIC8 XIC9 XIC10	53.03.0166 53.03.0167 53.03.0168 53.03.0166 53.03.0168	8-pole IC Socket 14-pole IC Socket 16-pole IC Socket 8-pole IC Socket		
DL2 DL3 DL4 DL5	50.04.2500 50.04.2500 50.04.2500 50.04.2115 50.04.2500	MV5352 MV5352 MV5352 MV5752 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm LED red D=5 mm LED yel D=5 mm	61 61 61 61 61	R24 R25 R25 R26 R27	57.11.3151 57.11.3182 57.11.3472 57.11.3153 57.11.3153	150 Ohm 1.8 kOhm 4.7 kOhm 15 kOhm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		XIC11 XIC12 XIC13 XIC14 XIC15	53.03.0166 53.03.0166 53.03.0166 53.03.0166	16-pole IC Socket B-pole IC Socket B-pole IC Socket B-pole IC Socket B-pole IC Socket		
DLB DL9 DL10	50.04.2115 50.04.2115 50.04.2500 50.04.2500	MV5752 MV5752 MV5752 MV5352 MV5352	LED yel D=5 nm LED red D=5 nm LED yel D=5 nm LED yel D=5 nm	GI GI GI GI	R28 R29 R30 R31	57.11.3751 57.11.3202 57.11.3332 57.11.3391	750 Ohm 2 kOhm 3.3 kOhm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		XIC16 XIC17 XIC18 XIC19	53.03.0167 53.03.0167 53.03.0167 53.03.0167	14-pole IC Socket 14-pole IC Socket 14-pole IC Socket 14-pole IC Socket		
DL12 DL13 DL14 DL16	50.04.2500 50.04.2115 50.04.2500 50.04.2115	MV5352 MV5752 MV5352 MV5752	LED yel D=5 nm LED red D=5 nm LED yel D=5 nm LED red D=5 nm	GI GI GI	R32 R34 R35 R36	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		XIC20 XIC21 XIC22	53.03.0167 53.03.0167 53.03.0168	14-pole IC Socket 14-pole IC Socket 16-pole IC Socket		
STUDER	(OI) 90/01/11 D\$	VU PANEL	BOARD 2CH PL 1.727.5	928.00 PAGE 2	STUDER (O	1) 90/01/11 DS	VU PANEL BOA	RD 2CH PL 1.727.92	8.00 PAGE 5	STUDER (01:	90/01/11 DS	VU PANEL BOARD 2CH	PL 1.727.928.00 PAGE	E 8
DL17	PART NO. 50.04.2500	MV5352	SPECIFICATIONS / EQUIVALENT LED yel D=5 mm	MANUF.	IND. POS.NO.	PART NO. 57.11.3391	390 Ohm	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE SPECIFICATIONS /		ANUF.
DL18 DL19 DL20 DL21 DL22	50.04.2500 50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352 MV5352	LED yel D=5 mm not used LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm	GI G1 G1	R38 R39 R40 R41 R42	57.11.3272 57.11.3474 57.11.3682 57.11.3682 57.11.3682	2.7 kOhm 470 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		MF= Metal Film, PO MANUFACTURER: GI= NS=	General Instru	meter Lermet, uments, Mot= Motorola, ST= STU conductor, Ra= Raytheon	UDER	
DL23 DL24 DL25 DL26	50.04.2119 50.04.2119 50.04.2119 50.04.2119	MV57124 MV57124 MV57124 MV57124	LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81	G1 G1 G1 G1	(00) R44 (01) R44 (01) R45	57.11.3203 57.11.3203 57.11.3822 57.11.3203	20 kOhm 20 kOhm 8.2 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
DL27 DL28 IC1	50.04.2119 50.04.2119 50.17.1595	HV57124 HV57124 74HC595	LED red 6.35*3.81 LED red 6.35*3.81 U-bit Shift Register tri	G1 G1	(00) R46 (01) R46 R47 (00) R48	58.01.8203 58.01.8503 57.11.3153 58.01.8203	20 kOhm 50 kOhm 15 kOhm 20 kOhm	10%, 0.5 W, PCerm 10%, 0.5 W, PCerm 1%, 0.25W, MF 10%, 0.5 W, PCerm						
IC2 IC3 IC4 IC5 IC6	50.17.1595 50.09.0107 50.09.0107 50.05.0199 50.09.0107	74HC595 RC 4559 RC 4559 LM 324 RC 4559	B-bit Shift Register tri Dual OpAmp Dual OpAmp Quad OpAmp Dual OpAmp	Ra Ra NS, Mot Ra	(01) R48 R49 R50 R51 R52	58.01.8503 57.11.3203 57.11.3103 57.11.3103 57.11.3332	50 kOhm 20 kOhm 10 kOhm 10 kOhm 3.3 kOhm	10%, 0.5 W, PCerm 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
IC7 IC8 IC9 IC10	50.09.0107 50.09.0107 50.05.0199 50.07.0024 50.09.0107	RC 4559 LN 324 HC 14052 RC 4559	Dual OpAmp Dual OpAmp Duad OpAmp CMOS Analog Switch Dual OpAmp	Ra NS/No Mot Ra	R53 R54 R55 R56	57.11.3151 57.11.3182 57.11.3472 57.11.3153	150 Ohm 1.8 kOhm 4.7 kOhm 15 kOhm	12, 0.25W, MF 12, 0.25W, MF 12, 0.25W, MF 12, 0.25W, MF						
IC11 IC12 IC13 IC14	50.07.0015 50.09.0107 50.09.0107 50.09.0107	RC 4559 RC 4559 RC 4559	CMOS Analog Switch Dual OpAmp Dual OpAmp Dual OpAmp	Mot Ra Ra Ra	R57 R58 R59 R60	57.11.3153 57.11.3751 57.11.3202 57.11.3332	3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
IC15 IC16 IC17 IC18	50.09.0107 50.17.1010 50.17.1000 50.17.1010	RC 4559 74HC10 74HC00 74HC10	Dual OpAmp Triple 3-Input NAND Gate Quad 2-Input NAND Gate Triple 3-Input NAND Gate	Ra	R61 R62 R64 R65	57.11.3391 57.11.3391 57.11.3391 57.11.3473	390 Ohm 390 Ohm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
IC19 IC20 IC21 IC22	50.17.1010 50.17.1000 50.17.1010 50.06.0596	74HC10 74HC00 74HC10 74LS596	Triple 3-Input NAND Gate Puad 2-Input NAND Gate Triple 3-Input NAND Gate B-bit Shift Regieter o.c.		R66 R67 R68 R69 R70	57.11.3472 57.11.3473 57.11.3472 57.11.3473 57.11.3472	47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF						
J1 STUDER	54.01.0299 (01) 90/01/11 DS	13-pole	CIS Socket Strip BOARD 2CH PL 1.727.9	AMP 928.00 PAGE 3	R71 STUDER (O	57.11.3103	10 kOhm	1%, 0.25W, MF	8.00 PAGE 6	ORIG 89/04/20 (S T U D E R (01		VU PANEL BOARD 2CH	PL 1.727.928.00 PAGE	E 9

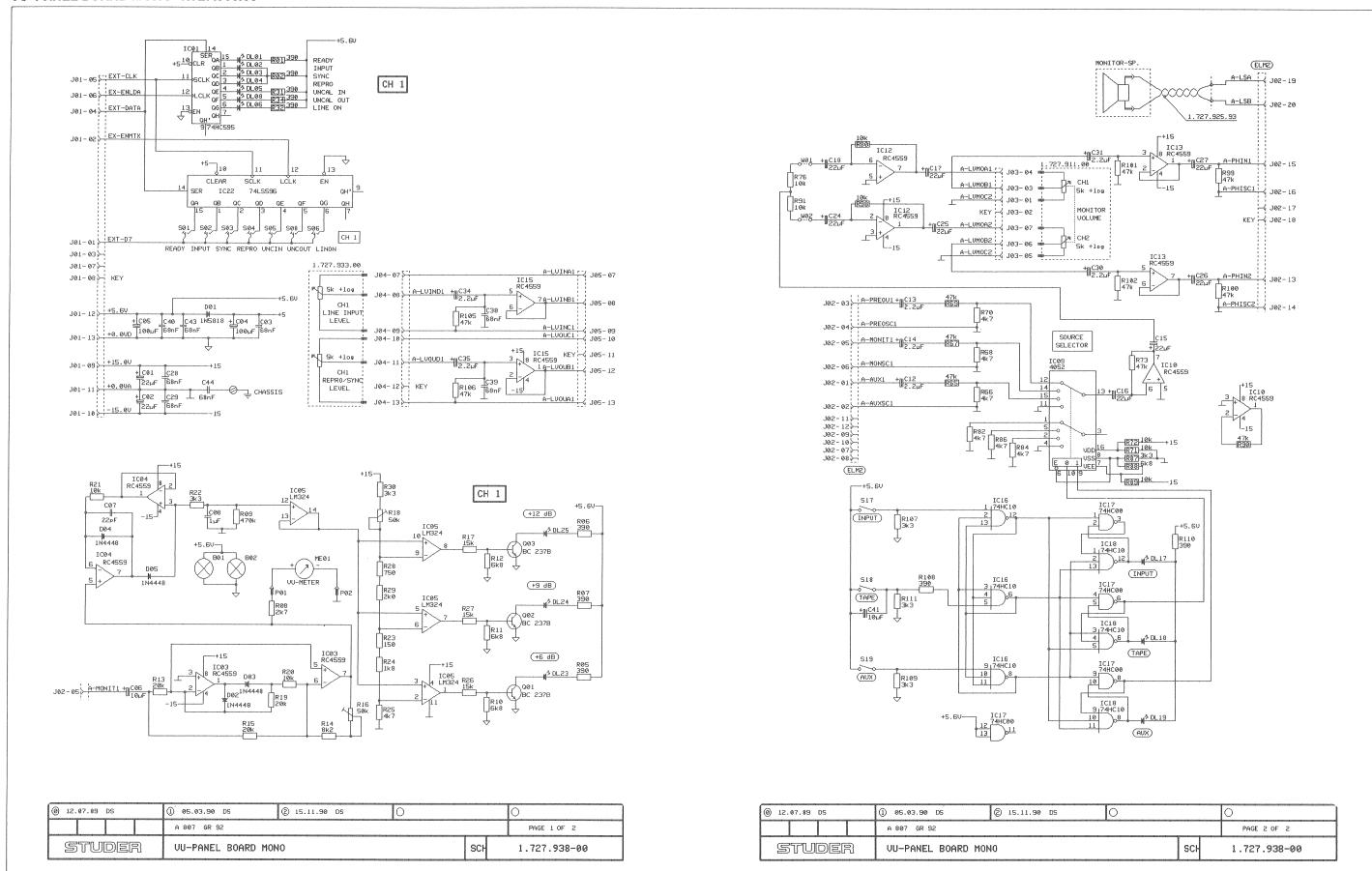


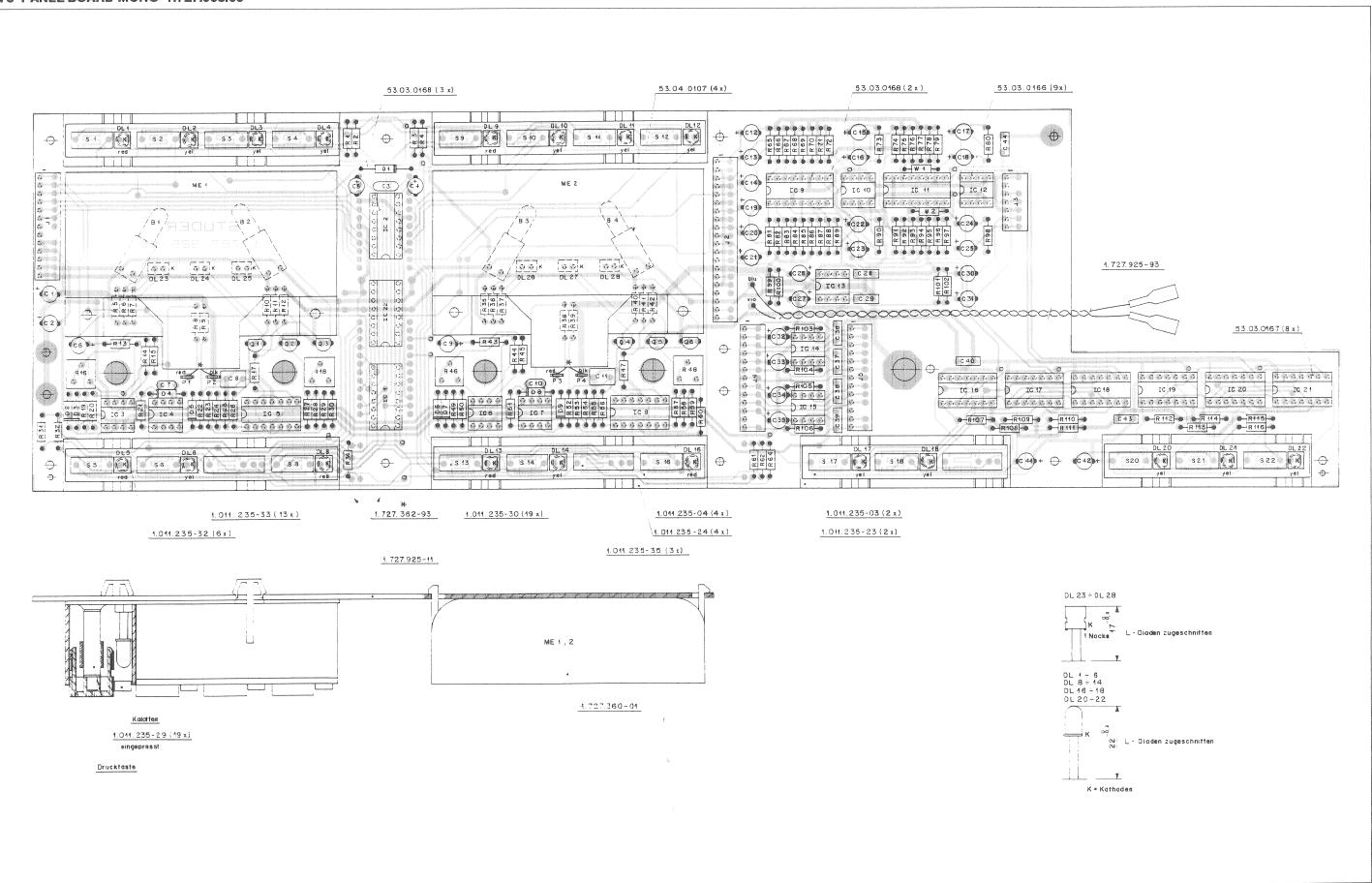




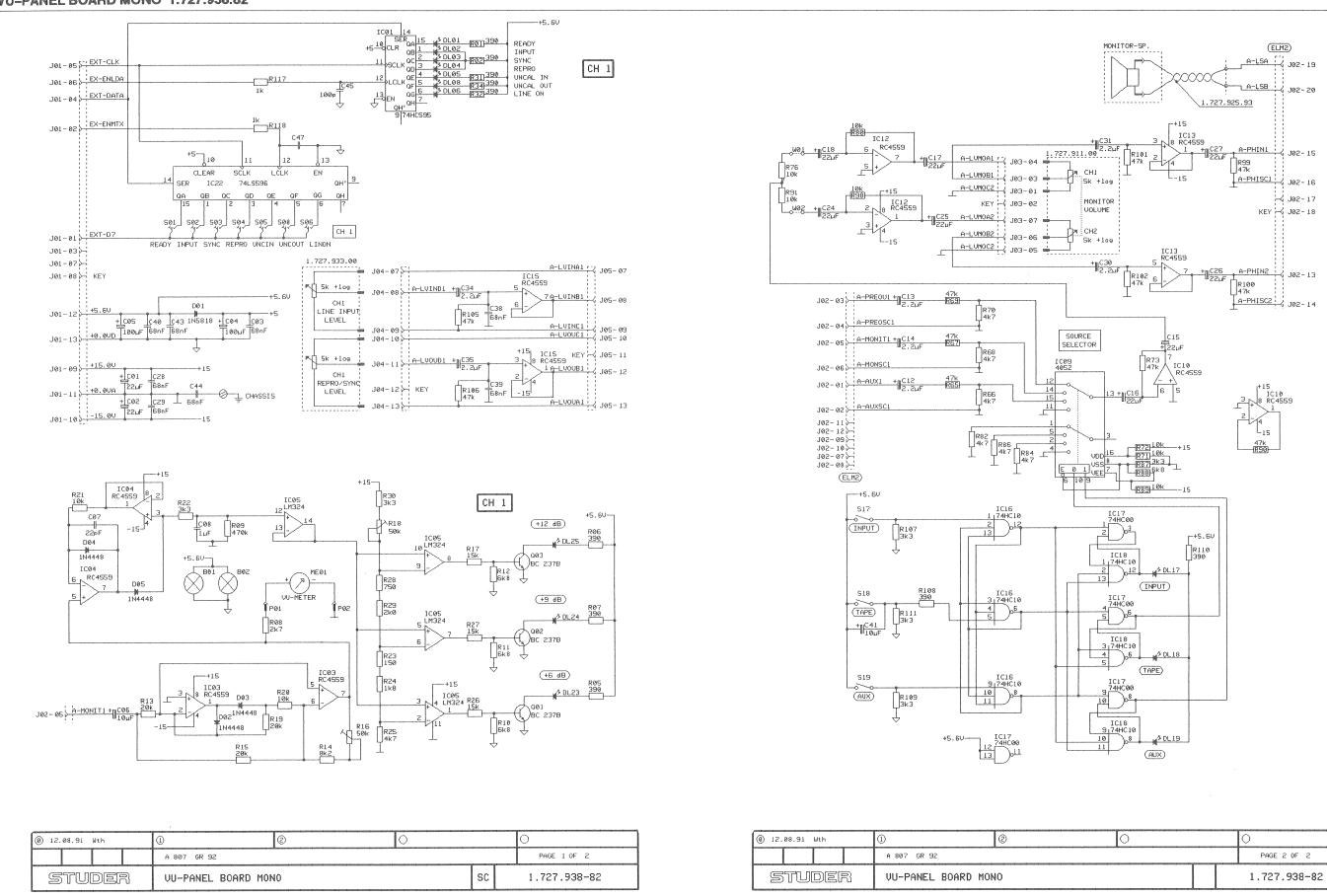


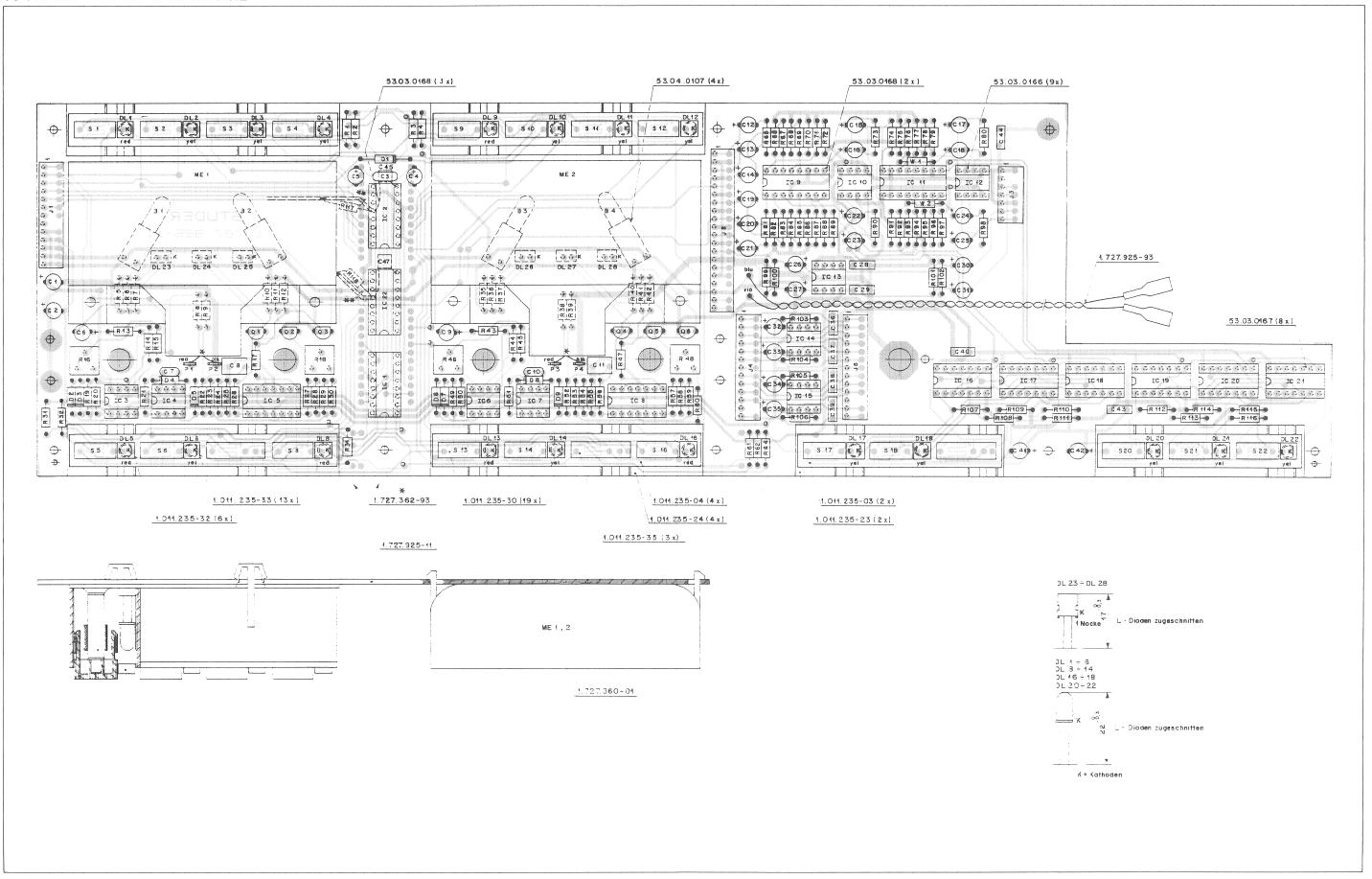
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE SPECIFICATIONS / EQU			IND. POS.NO.	PART NO.		ECIFICATIONS / EQUIV		MANUF.			
B1 B2 B3 B4	51.02.0144 51.02.0144 51.02.0144 51.02.0144	6 V 6 V 6 V	0.03 A Bulb 0.03 A Bulb 0.03 A Bulb 0.03 A Bulb		IC21 IC22 J1 J2	50.17.1010 50.06.0596 54.01.0299 54.01.0237	74HC10 Triple 3-Input NAND 74LS596 8-bit Shift Registe 13-pole CIS Socket Strip 20-pole CIS Socket Strip	r o.c.		R74 R75 R76 R77 R78	57.11.3103 57.11.3103 57.11.3103 57.11.3103 57.11.3103	10 kOhm 1: 10 kOhm 1: 10 kOhm 1:	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C1 C2 C3	59.22.5220 59.22.5220 59.06.0683 59.22.3101	22 uF 22 uF 68 nF 100 uF	-20% 25 V EL -20% 25 V EL 10% 50 V PETP -20% 10 V EL		J3 J4 J5	54.01.0263 54.01.0299 54.01.0299	7-pole CIS Socket Strip 13-pole CIS Socket Strip 13-pole CIS Socket Strip 13-pole CIS Socket Strip	AM AM AM	IP IP	R79 R80 R81 R82	57.11.3103 57.11.3103 57.11.3473 57.11.3472	10 kOhm 1: 10 kOhm 1: 47 kOhm 1:	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C4 C5 C6 C7	59.22.3101 59.22.6100 59.34.2220	100 uF 10 uF 22 pF	-20% 10 V EL -20% 25 V EL 10% 50 V CER		ME2 1	.727.360.01	VU Meter VU Meter 1 pcs ESE Warning label	ST ST	•	R83 R84 R85	57.11.3473 57.11.3472 57.11.3473	47 kOhm 1: 4.7 kOhm 1: 47 kOhm 1:	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C9 C10 C11	59.06.0105 59.22.6100 59.34.2220 59.06.0105	10 uF 22 pF 1 uF	10X 50 V PETP -20X 25 V EL 10X 50 V CER 10X 50 V PETP		MP4 1	43.01.0108 53.03.0221 .011.235.03 .011.235.04	26 pcs 2-pole LED Socket 2 pcs Push button case 3 4 pcs Push button case 4	⋆ ST	•	R86 R87 R88 R89	57.11.3472 57.11.3332 57.11.3682 57.11.3103	3.3 kOhm 1: 6.8 kOhm 1: 10 kOhm 1:	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C12 C13 C14 C15	59.22.8229 59.22.8229 59.22.8229 59.22.5220	2.2 uF 2.2 uF 2.2 uF 22 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL		MP6 1 MP7 1 MP8 1	.011.235.23 .011.235.24 .011.235.29 .011.235.30	4 pcs Conductive rubber 4 19 pcs Bolt 19 pcs Push button 14*5			R90 R91 R92 R93	57.11.3473 57.11.3103 57.11.3103 57.11.3103	10 kOhm 1: 10 kOhm 1: 10 kOhm 1:	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					· ·
C16 C17 C18 C19	59.22.5220 59.22.5220 59.22.5220 59.22.8229	22 uF 22 uF 22 uF 2.2 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL		MP11 1	.011.235.33 .011.235.35 .727.362.93	13 pcs Calotte yel 3 pcs Dummy push button 1 2 pcs Wiring List VU-Mete	9*5 ST	•	R94 R95 R96 R97	57.11.3103 57.11.3332 57.11.3682 57.11.3103	3.3 kOhm 1: 6.8 kOhm 1: 10 kOhm 1:	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C20 C21 C22 C23 C24	59.22.8229 59.22.8229 59.22.5220 59.22.5220 59.22.5220	2.2 uF 2.2 uF 22 uF 22 uF 22 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL		MP14 1	.727.928.11 .727.925.93 54.02.0320	1 pcs No. Label 1 pcs VU PANEL PCB 1 pcs Wiring List VU-Pane Plug 2.8+0.8	ST		R98 R99 R100 R101 R102	57.11.3103 57.11.3473 57.11.3473 57.11.3473 57.11.3473	47 kOhm 1: 47 kOhm 1: 47 kOhm 1:	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C25 C26 C27 C28	59.22.5220 59.22.5220 59.22.5220 59.06.0683	22 uF 22 uF 22 uF 22 uF 68 nF	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL 10% 50 V PETF		P2 P3 P4	54.02.0320 54.02.0320 54.02.0320	Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8	MA MA MA	IP IP	R103 R104 R105 R106	57.11.3473 57.11.3473 57.11.3473 57.11.3473	47 kOhm 1 47 kOhm 1 47 kOhm 1	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C29 C30 C31 C32	59.06.0683 59.22.8229 59.22.8229 59.22.8229	68 nF 2.2 uF 2.2 uF 2.2 uF	10% 50 V PETP -20% 25 V EL -20% 25 V EL -20% 25 V EL		Q1 Q2 Q3 Q4	50.03.0436 50.03.0436 50.03.0436 50.03.0436		PN PN		R107 R108 R109 R110	57.11.3332 57.11.3391 57.11.3332 57.11.3391	3.3 kOhm 1 390 Ohm 1 3.3 kOhm 1	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
STUDER (OC				3.82 PAGE 1	STUDER (00)			PL 1.727.928.82 PAGE	4	STUDER (OO)				. 1.727.928.82 PA	AGE 7			
IND. POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE SPECIFICATIONS / EQU		F.	IND. POS.NO.	PART NO.		ECIFICATIONS / EQUIV	ALENT	MANUF.			
C33 C34 C35 C36	59.22.8229 59.22.8229 59.22.8229 59.06.0683	2.2 uF 2.2 uF 2.2 uF 68 nF	-20% 25 V EL -20% 25 V EL -20% 25 V EL 10% 50 V PETP		Ω5 Ω6 R1	50.03.0436 50.03.0436 57.11.3391	BC237B BC547B, BC550B N: BC237B BC547B, BC550B N: 390 Ohn 1%, 0.25W, MF			R111 R112 R113 R114	57.11.3332 57.11.3332 57.11.3391 57.11.3332	3.3 kOhm 13 390 Ohm 13 3.3 kOhm 13	%, 0.25W, MF %, 0.25W, MF %, 0.25W, MF %, 0.25W, MF					
C37 C38 C39 C40	59.06.0683 59.06.0683 59.06.0683 59.06.0683	68 nF 68 nF 68 nF 68 nF	10% 50 V PETP 10% 50 V PETP 10% 50 V PETP 10% 50 V PETP		R4 R5	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohn 1%, 0.25%, MF 390 Ohn 1%, 0.25%, MF 390 Ohn 1%, 0.25%, MF 390 Ohn 1%, 0.25%, MF				57.11.3332 57.11.3391 57.11.3102 57.11.3102	390 Ohm 1: 1 kOhm 1:	%, 0.25%, MF %, 0.25%, MF %, 0.25%, MF %, 0.25%, MF					
C41 C42 C43 C44	59.22.6100 59.22.6100 59.06.0683 59.06.0683	10 uF 10 uF 68 nF 68 nF	-20% 25 V EL -20% 25 V EL 10% 50 V PETP 10% 50 V PETP		R6 R7 R8 R9	57.11.3391 57.11.3391 57.11.3272 57.11.3474	390 Oha 1%, 0.25%, MF 390 Oha 1%, 0.25%, MF 2.7 kOha 1%, 0.25%, MF 470 kOha 1%, 0.25%, MF			КВ1 КВ2 КВ3	53.04.0107 53.04.0107 53.04.0107 53.04.0107	Bi Bi	ulb Socket ulb Socket ulb Socket					
C45 C46 C47 C48	59.45.4101 59.45.4101	100 pF 100 pF	10% 50 Y CER not used 10% 50 Y CER not used		R10 R11 R12 R13	57.11.3682 57.11.3682 57.11.3682 57.11.3203	6.8 kOha 1%, 0.25%, MF 6.8 kOha 1%, 0.25%, MF 6.8 kOha 1%, 0.25%, MF 20 kOha 1%, 0.25%, MF			KIC1 KIC2 KIC3	53.03.0168 53.03.0168 53.03.0166	16-pole II	ulb Socket C Socket C Socket C Socket					
D1 D2 D3 D4	50.04.0512 50.04.0125 50.04.0125 50.04.0125	1N5818 1N4448 1N4448	30 V Schottky 50 V Si 50 V Si 50 V Si		R14 R15 R16 R17	57.11.3822 57.11.3203 58.01.8503 57.11.3153	8.2 kOha 1%, 0.25%, MF 20 kOha 1%, 0.25%, MF 50 kOha 10%, 0.5 %, PCerm 15 kOha 1%, 0.25%, MF			KIC4 KIC5 KIC6	53.03.0166 53.03.0167 53.03.0166 53.03.0166	8-pole II 14-pole II 8-pole II	C Socket C Socket C Socket C Socket					
D5 D6 D7 D8	50.04.0125 50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448 1N4448	50 V Si 50 V Si 50 V Si 50 V Si 50 V Si		R18 R19 R20 R21	58.01.8503 57.11.3203 57.11.3103 57.11.3103	50 kOhn 10%, 0.5 W, FCerm 20 kOhn 1%, 0.25W, MF 10 kOhn 1%, 0.25W, MF 10 kOhn 1%, 0.25W, MF			KIC8 KIC9 KIC10 KIC11	53.03.0167 53.03.0168 53.03.0166 53.03.0168	14-pole II 16-pole II 8-pole II	C Socket C Socket C Socket C Socket					
D9 DL1 DL2	50.04.0125 50.04.2115 50.04.2500	1N4448 HV5752 HV5352	50 V Si LED red D=5 mm LED vel D=5 mm	GI GI	R22 R23 R24 R25	57.11.3332 57.11.3151 57.11.3182 57.11.3472	3.3 kOha 1%, 0.25%, MF 150 Ohn 1%, 0.25%, MF 1.8 kOha 1%, 0.25%, MF 4.7 kOha 1%, 0.25%, MF 15 kOha 1%, 0.25%, MF			KIC12 KIC13 KIC14 KIC15	53.03.0166 53.03.0166 53.03.0166 53.03.0166	8-pole II 8-pole II 8-pole II	C Socket C Socket C Socket C Socket					
DL3 DL4 DL5 DL6	50.04.2500 50.04.2500 50.04.2115 50.04.2500	MV5352 MV5352 MV5752 MV5752	LED yel D=5 mm LED yel D=5 mm LED red D=5 mm LED yel D=5 mm	GI GI GI	R26 R27 R28 R29	57.11.3153 57.11.3153 57.11.3751 57.11.3202 57.11.3332	15 kOha 1%, 0.25%, MF 15 kOha 1%, 0.25%, MF 750 Cha 1%, 0.25%, MF 2 kOha 1%, 0.25%, MF 3.3 kOha 1%, 0.25%, MF			KIC16 KIC17 KIC18 KIC19	53.03.0167 53.03.0167 53.03.0167 53.03.0167	14-pole [6 14-pole [6 14-pole [6	C Socket C Socket C Socket C Socket					
DL8 DL9 DL10 DL11	50.04.2115 50.04.2115 50.04.2500 50.04.2500	MV5752 MV5752 MV5352 MV5352	LED red D=5 mm LED red D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI GI	R30 R31 R32 R34 R35	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Oha 1% 0.25W, MF 390 Oha 1% 0.25W, MF 390 Oha 1% 0.25W, MF 390 Oha 1% 0.25W, MF			KIC20 KIC21 KIC22	53.03.0167 53.03.0167 53.03.0168	14-pole II	C Socket C Socket C Socket					The state of the s
STUDER (00					S 7 U D E R (00)			PL 1.727.928.82 PAGE	5	STUDER (00)	91/08/12 GP	VU PANEL BOARD	2CH PI	1.727.928.82 PA	GE 8			
IND. POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND. POS.NO.	PART NO.	VALUE SPECIFICATIONS / EQU	IVALENT MANU	JF.	IND. POS.NO.	PART NO.	VALUE SP	PECIFICATIONS / EQUI	VALENT	MANUF.			
DL12 DL13 DL14 DL16	50.04.2500 50.04.2115 50.04.2500 50.04.2115	MV5352 MV5752 MV5352 MV5752	LED yel D=5 mm LED red D=5 mm LED yel D=5 mm LED red D=5 mm	GI GI GI GI	R36 R37 R38 R39	57.11.3391 57.11.3391 57.11.3272 57.11.3474	390 Ohn 1%, 0.25%, MF 390 Ohn 1%, 0.25%, MF 2.7 kOhn 1%, 0.25%, MF 470 kOhn 1%, 0.25%, MF			CER= Ceramic, EL= MF= Metal Film, FO MANUFACTURER: GI= MS=	Cerm= Potentiom General Instru	eter Cermet/	orola, ST= STUDER					
DL17 DL18 DL19 DL20	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm not used LED yel D=5 mm	GI GI	R40 R41 R42 R43	57.11.3682 57.11.3682 57.11.3682 57.11.3203	6.8 kOhn 1%, 0.25W, MF 6.8 kOhn 1%, 0.25W, MF 6.8 kOhn 1%, 0.25W, MF 20 kOhn 1%, 0.25W, MF											
DL21 DL22 DL23 DL24	50.04.2500 50.04.2500 50.04.2119 50.04.2119	MV5352 MV5352 MV57124 MV57124	LED yel D=5 mm LED yel D=5 mm LED red 6.35x3.81 LED red 6.35x3.81	GI GI GI	R44 R45 R46 R47	57.11.3822 57.11.3203 58.01.8503 57.11.3153	8.2 kOhn 1% 0.25W MF 20 kOhn 1% 0.25W MF 50 kOhn 10% 0.5 W PCerm 15 kOhn 1% 0.25W MF											
DL25 DL26 DL27 DL28	50.04.2119 50.04.2119 50.04.2119 50.04.2119	MV57124 MV57124 MV57124 MV57124	LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81	GI GI GI	R48 R49 R50 R51	58.01.8503 57.11.3203 57.11.3103 57.11.3103	50 kOhm 10%, 0.5 W, PCerm 20 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF 10 kOhm 1%, 0.25W, MF											
IC1 IC2 IC3	50.17.1595 50.17.1595 50.09.0107	74HC595 74HC595 RC 4559 RC 4559	B-bit Shift Register tri B-bit Shift Register tri Dual Opamp	Ra	R52 R53 R54 R55	57.11.3332 57.11.3151 57.11.3182 57.11.3472	3.3 kOhm 1%, 0.25%, MF 150 Ohm 1%, 0.25%, MF 1.8 kOhm 1%, 0.25%, MF 4.7 kOhm 1%, 0.25%, MF											
IC5 IC6 IC7 IC8	50.09.0107 50.09.0107	RC 4559 LM 324 RC 4559 RC 4559 LM 324	Dual OpAmp Puad OpAmp Dual OpAmp Dual OpAmp Puad OpAmp	Ra NS/Mot Ra Ra NS/Mo	R56 R57 R58 R59	57.11.3153 57.11.3153 57.11.3751 57.11.3202	15 kOhm 1%, 0.25%, MF 15 kOhm 1%, 0.25%, MF 750 Ohm 1%, 0.25%, MF 2 kOhm 1%, 0.25%, MF											
IC9 IC10 IC11 IC12	50.07.0024 50.09.0107	MC 14052 RC 4559 MC 14053 RC 4559	CMOS Analog Switch Dual OpAmp CMOS Analog Switch Dual OpAmp	Mot Ra Mot Ra	R60 R61 R62 R64 R65	57.11.3332 57.11.3391 57.11.3391 57.11.3391 57.11.3473	3.3 kOhm 1%, 0.25%, NF 390 Ohm 1%, 0.25%, MF 390 Ohm 1%, 0.25%, MF 390 Ohm 1%, 0.25%, MF 47 kOhm 1%, 0.25%, MF											
IC13 IC14 IC15 IC16	50.09.0107 50.09.0107 50.09.0107 50.17.1010	RC 4559 RC 4559 RC 4559 74HC10	Dual OpAmp Dual OpAmp Dual OpAmp Triple 3-Input NAND Gate	Ra Ra Ra	R66 R67 R68 R69	57.11.3472 57.11.3473 57.11.3472 57.11.3473	4.7 kOhn 1%, 0.25%, MF 47 kOhn 1%, 0.25%, MF 4.7 kOhn 1%, 0.25%, MF 47 kOhn 1%, 0.25%, MF											
IC17 IC18 IC19 IC20	50.17.1000 50.17.1010 50.17.1010 50.17.1000	74HC00 74HC10 74HC10 74HC00	Quad 2-Input NAND Gate Triple 3-Input NAND Gate Triple 3-Input NAND Gate Quad 2-Input NAND Gate		R70 R71 R72	57.11.3472 57.11.3103 57.11.3103 57.11.3473	4.7 KOhn 1% 0.25% HF 10 kOhn 1% 0.25% NF 10 kOhn 1% 0.25% MF 47 kOhn 1% 0.25% HF			ORIG 91/08/12								
STUDER (O				8.82 PAGE 3	STUDER (00)			PL 1.727.928.82 PAGE	6	STUDER (00)	91/08/12 GP	VU PANEL BOARD	2CH P	L 1.727.928.82 PA	AGE 9			



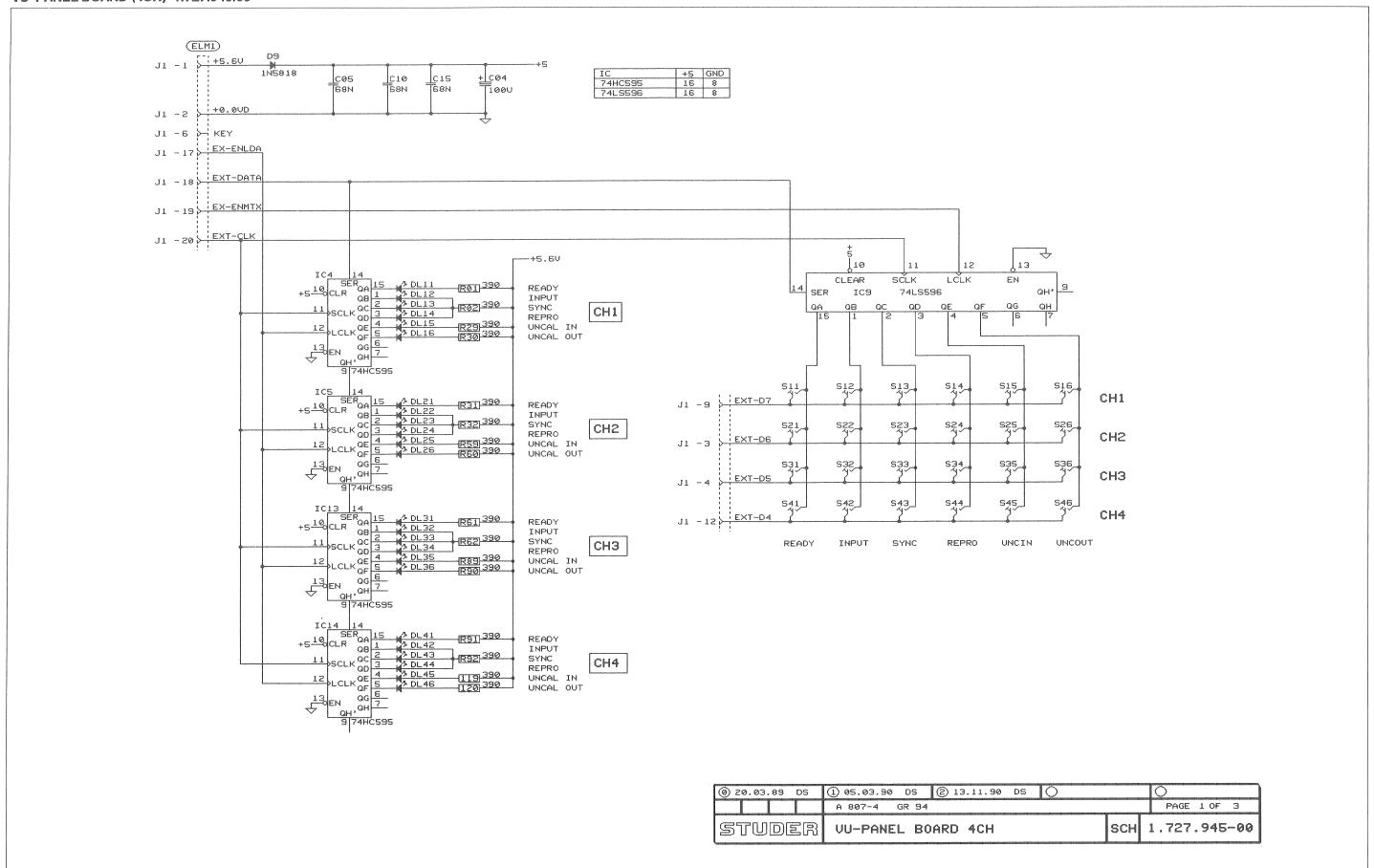


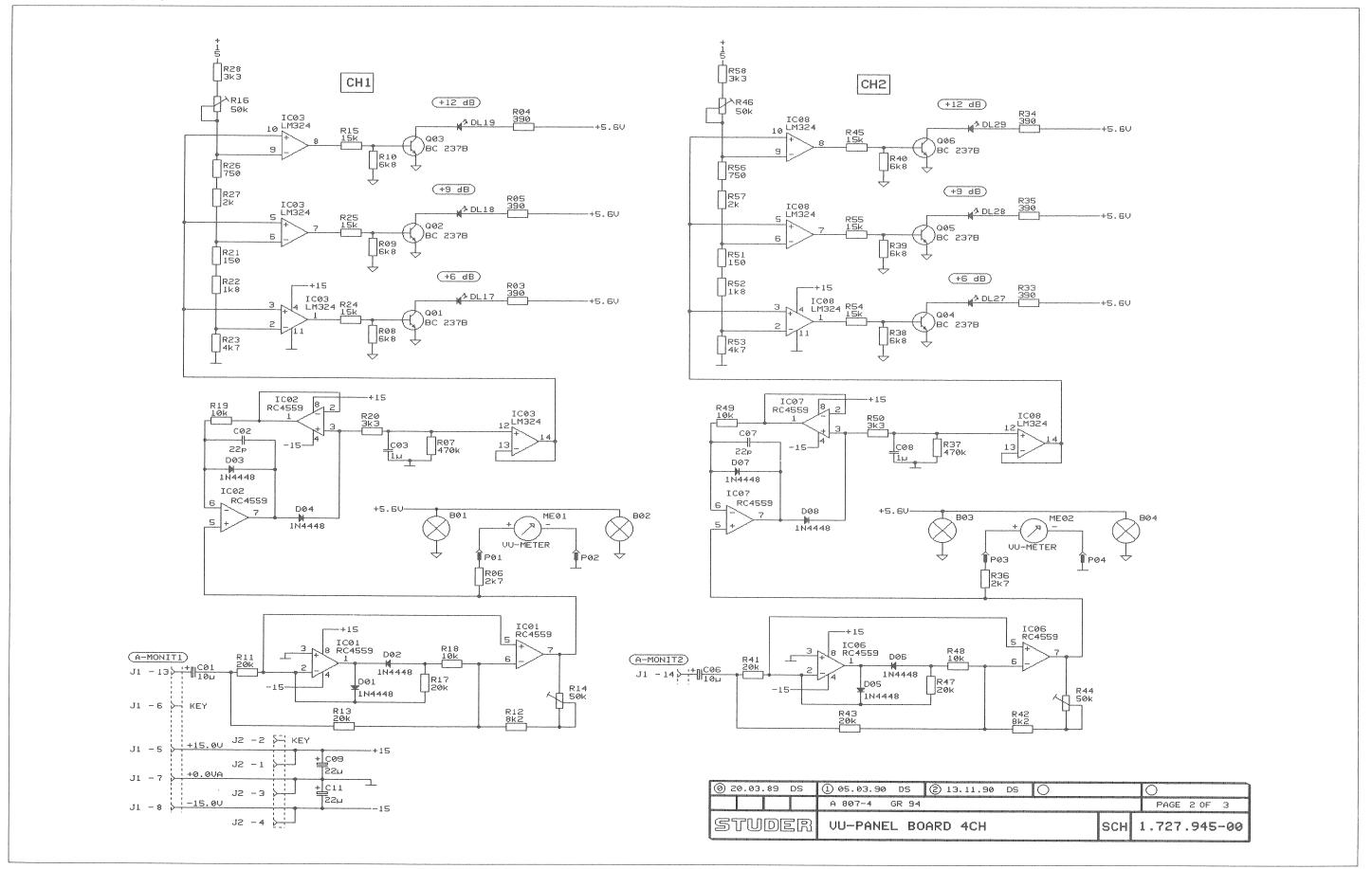
						20.10.11						
ND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MAN
	$\substack{B \dots 1 \\ B \dots 2}$	51.02.0144 51.02.0144	6 V 6 V	O.O3 A Lamp O.O3 A Lamp		(01)	R14 R15 R16	57.11.3822 57.11.3203 58.01.8203	8.2 kOhm 20 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 10%, 0.5 W, PCer	n	
	C1 C2 C3	59.22.5220 59.22.5220 59.06.0683	22 uF 22 uF 68 nF	-20% 25 V EL -20% 25 V EL 10% 50 V PETP		(02)	R16 R17 R18	58.01.8503 57.11.3153 58.01.8203	50 kOhm 15 kOhm 20 kOhm	10%, 0.5 W, PCer 1%, 0.25W, MF 10%, 0.5 W, PCer	n	
	C5 C6	59.22.3101 59.22.3101 59.22.6100	100 uF 100 uF 10 uF	-20% 10 V EL -20% 10 V EL -20% 25 V EL		(01)	R18 R19 R20	58.01.8503 57.11.3203 57.11.3103	50 kOhm 20 kOhm 10 kOhm	10%, 0.5 W, PCer: 1%, 0.25W, MF 1%, 0.25W, MF	n.	
	C8 C12	59.34.2220 59.06.0105 59.22.8229	22 pF 1 uF 2.2 uF	10% 50 V CER 10% 50 V PETP -20% 25 V EL -20% 25 V EL			R21 R22 R23	57.11.3103 57.11.3332 57.11.3151	10 kOhm 3.3 kOhm 150 Ohm 1.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C14 C15	59.22.8229 59.22.8229 59.22.5220 59.22.5220	2.2 uF 2.2 uF 22 uF 22 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL -20% 25 V EL			R25 R26 R27	57.11.3182 57.11.3472 57.11.3153 57.11.3153	4.7 kOhm 15 kOhm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C17 C18 C24	59.22.5220 59.22.5220 59.22.5220 59.22.5220	22 uF 22 uF 22 uF 22 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL			R28 R29 R30	57.11.3153 57.11.3751 57.11.3202 57.11.3332	750 Ohm 2 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C25 C26 C27	59.22.5220 59.22.5220 59.22.5220	22 uF 22 uF 22 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL			R31 R32 R34	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C29 C30	59.06.0683 59.06.0683 59.22.8229	68 nF 68 nF 2.2 uF	10% 50 V PETP 10% 50 V PETP -20% 25 V EL -20% 25 V EL			R65 R66 R67	57.11.3473 57.11.3472 57.11.3473	47 kOhm 4.7 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C31 C34 C35 C38	59.22.8229 59.22.8229 59.22.8229 59.06.0683	2.2 uF 2.2 uF 2.2 uF 68 nF	-20% 25 V EL -20% 25 V EL -20% 25 V EL 10% 50 V PETP			R69 R70 R71	57.11.3472 57.11.3473 57.11.3472 57.11.3103	4.7 kOhm 47 kOhm 4.7 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C39 C40 C41	59.06.0683 59.06.0683 59.22.6100	68 nF 68 nF 10 uF	10% 50 V PETP 10% 50 V PETP -20% 25 V EL			R72 R73 R76	57.11.3103 57.11.3473 57.11.3103	10 k0hm 47 k0hm 10 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C43 C44	59.06.0683 59.06.0683	68 nF 68 nF	10% 50 V PETP 10% 50 V PETP			R80 R82 R84	57.11.3103 57.11.3472 57.11.3472	10 kOhm 4.7 kOhm 4.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
: T II	D2	50.04.0512 50.04.0125 01) 90/01/11 DS	1N5818 1N4448 VII PANEL B	30 V Schottky 50 V SI OARD MONO PL 1.727.938.0	OO PAGE 1		R86 R87	57.11.3472 57.11.3332	4.7 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF	PL 1.727.938.0	OO PAGE
	POS.NO.	PART NO.		SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	MAN
	D3 D4 D5	50.04.0125 50.04.0125 50.04.0125	1N4448 1N4448 1N4448	50 V SI 50 V SI 50 V SI			R88 R89 R90	57.11.3682 57.11.3103 57.11.3473	6.8 kOhm 10 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL1 DL2	50.04.2115 50.04.2500	MV5752 MV5352	LED red D=5 mm LED yel D=5 mm	GI GI		R91 R98 R99	57.11.3103 57.11.3103 57.11.3473	10 kOhm 10 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL3 DL4 DL5	50.04.2500 50.04.2500 50.04.2115	MV5352 MV5352 MV5752	LED yel D=5 mm LED yel D=5 mm LED red D=5 mm	GI GI GI		R100 R101 R102	57.11.3473 57.11.3473 57.11.3473	47 kOhm 47 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL6 DL8 DL17	50.04.2500 50.04.2115 50.04.2500	MV5352 MV5752 MV5352	LED yel D=5 mm LED red D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI GI		R105 R106 R107	57.11.3473 57.11.3473 57.11.3332	47 kOhm 47 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL18 DL19 DL23 DL24	50.04.2500 50.04.2119 50.04.2119	MV5352 MV57124 MV57124	LED yet b=5 mm not used LED red 6.35*3.81 LED red 6.35*3.81	GI GI GI		R108 R109 R110 R111	57.11.3391 57.11.3332 57.11.3391 57.11.3332	390 Ohm 3.3 kOhm 390 Ohm 3.3 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF		
	DL25 IC1	50.04.2119	MV57124 74 HC 595	LED red 6.35*3.81 8-bit Shift Register tri	GI		₩1 ₩2	57.11.3000 57.11.3000		Bridge Bridge		
	IC3 IC4 IC5 IC9	50.09.0107 50.09.0107 50.05.0199 50.07.0024	RC 4559 RC 4559 LM 324 MC 14052	Dual Op. Amp. Dual Op. Amp. Quad Op. Amp. CMOS Amalog Switch	Ra Ra NS/Mot Mot		XB1 XB2	53.04.0107 53.04.0107		Bulb Socket Bulb Socket		
	IC10 IC12 IC13	50.09.0107 50.09.0107 50.09.0107	RC 4559 RC 4559 RC 4559	Dual Op. Amp. Dual Op. Amp. Dual Op. Amp.	Ra Ra Ra		XIC1 XIC3 XIC4	53.03.0168 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket		
	IC15 IC16 IC17	50.09.0107 50.17.1010 50.17.1000	RC 4559 74 HC 10 74 HC 00	Dual Op. Amp. Triple 3-Input NAND Gate Quad 2-Input NAND Gate	Ra		XIC5 XIC9 XIC10	53.03.0167 53.03.0168 53.03.0166	14-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket		
	IC18 IC22 J1	50.17.1010 50.06.0596 54.01.0299	74 HC 10 74 LS 596 13-Pole	Triple 3-Input NAND Gate 8-bit Shift Register o.c CIS Socket Strip	AMP		XIC12 XIC13 XIC15 XIC16	53.03.0166 53.03.0166 53.03.0166 53.03.0167	8-Pole 8-Pole 8-Pole 14-Pole	IC Socket IC Socket IC Socket IC Socket		
	J2 J3 J4	54.01.0237 54.01.0263 54.01.0299	20-Pole 7-Pole 13-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP		XIC17 XIC18 XIC22	53.03.0167 53.03.0167 53.03.0168	14-Pole 14-Pole 16-Pole	IC Socket IC Socket IC-Socket		
T U	J5 DER (0)	54.01.0299 1) 90/01/11 DS	13-Pole VU PANEL BO	CIS Socket Strip DARD MONO PL 1.727.938.0	AMP O PAGE 2	STUI	E R (01		VU PANEL BO		PL 1.727.938.0	OO PAGE
D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	HAH
	ME1	1.727.360.01	1 pcs	VU Meter ESE Warning label		MF= Met	al Film, P	Cerm= Potention	meter Cermet,	ter, SI= Silicon, Motorola, ST= STUD	EP	
	MP2 MP3 MP4	53.03.0221 1.011.235.03 1.011.235.04	13 pcs 1 pcs 2 pcs	2-pole LED Socket Push button case 3* Push button case 4*				National Semi			~	
	MP6 MP7	1.011.235.23 1.011.235.24 1.011.235.29	1 pcs 2 pcs 9 pcs	Conductive rubber 3* Conductive rubber 4* Bolt Push button 14*5								
	MP9 MP10 MP11	1.011.235.30 1.011.235.32 1.011.235.33 1.011.235.35	9 pcs 3 pcs 6 pcs 2 pcs	Calotte red Calotte vel								
	MP12 MP13 MP14	1.727.362.93 1.727.938.10 1.727.928.11	1 pcs 1 pcs 1 pcs	Dummy push button 19*5 L-LST Command Panel Board No. Label VU PANEL PCB								
	P1 P2	1.727.925.93 54.02.0320 54.02.0320	1 pce	L-LST VU PANEL BOARD Plug 2.8+0.8 Plug 2.8*0.8	AMP AMP							
	Q1 Q2 Q3	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B NPN BC547B, BC550B NPN BC547B, BC550B NPN								
	R1 R2 R5	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF								
		57.11.3391 57.11.3391	390 Ohm 390 Ohm 2.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF								
	R6 R7 R8	57.11.3272										
	R6 R7 R8 R9 R10 R11	57.11.3272 57.11.3474 57.11.3682 57.11.3682	470 kOhm 6.8 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF								
00)	R6 R7 R8 R9 R10	57.11.3272 57.11.3474 57.11.3682	470 kOhm 6.8 kOhm	1%, 0.25W, NF		ORIG 89	/07/13 ((01) 90/01/11				

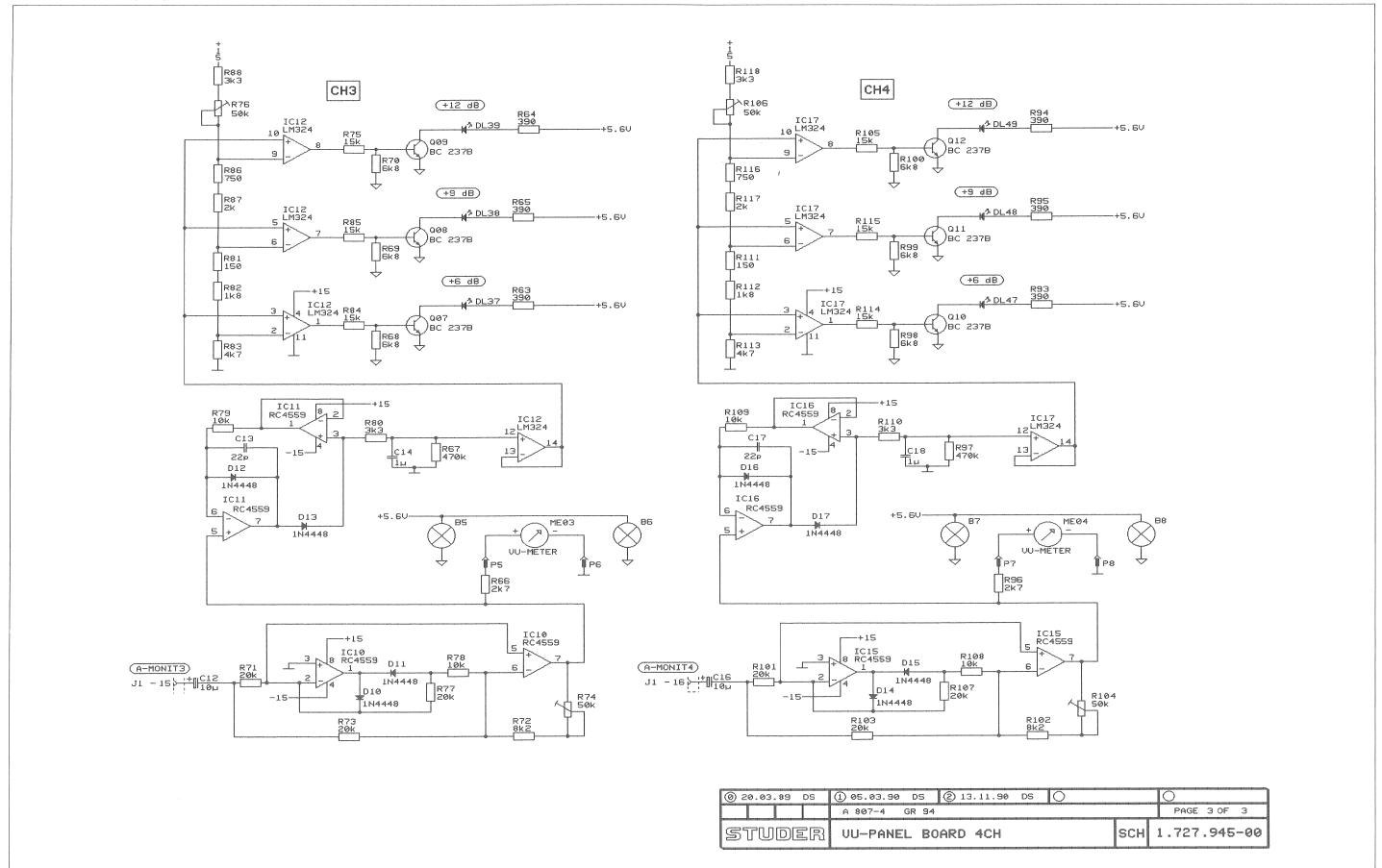


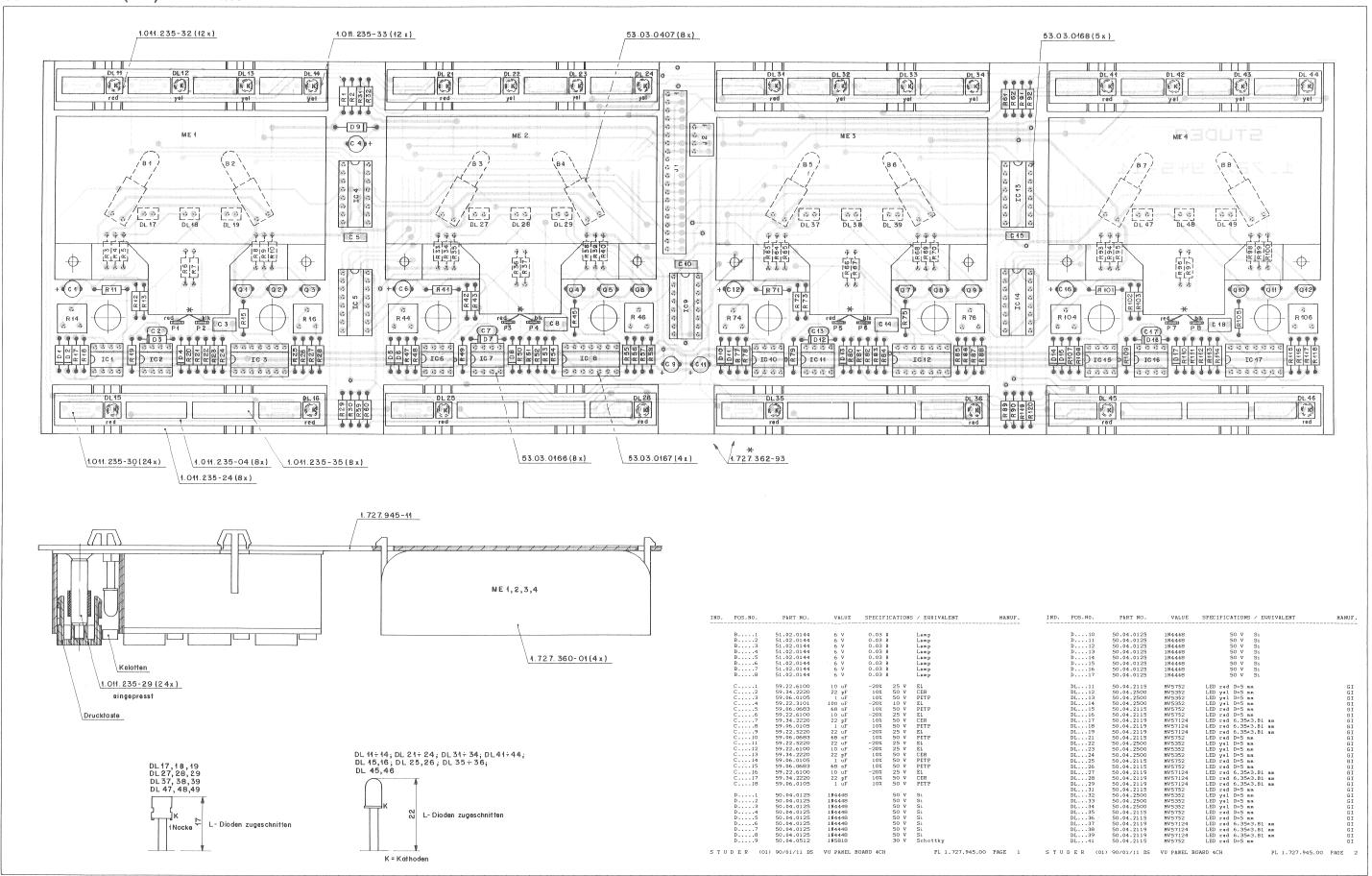


D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.		POS.NO.	PART NO.		SPECIFICATIONS /	EQUIVALENT	HAN
	B1 B2	51.02.0144 51.02.0144	6 V 6 V	0.03 A Lamp 0.03 A Lamp			R10 R11	57.11.3682 57.11.3682	6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF		
	C1 C2 C3	59.22.5220 59.22.5220 59.06.0683	22 uF 22 uF 68 nF	-20% 25 V EL -20% 25 V EL 10% 50 V PETP			R13 R14	57.11.3602 57.11.3203 57.11.3822 57.11.3203	6.8 kOhm 20 kOhm 8.2 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C5 C6	59.22.3101 59.22.3101 59.22.6100	100 uF 100 uF 10 uF	-20% 10 V EL -20% 10 V EL -20% 25 V EL			R15 R16 R17	58.01.8503 57.11.3153	50 kOhm 15 kOhm 50 kOhm	1%, 0.25W, MF 10%, 0.5 W, PCer 1%, 0.25W, MF		
	C8 C12	59.34.2220 59.06.0105 59.22.8229	22 pF 1 uF 2.2 uF	10% 50 V CER 10% 50 V PETP			R19 R20	58.01.8503 57.11.3203 57.11.3103	20 kOhm 10 kOhm	10%, 0.5 W, PCer 1%, 0.25W, MF 1%, 0.25W, MF	n	
	C13 C14	59.22.8229 59.22.8229	2.2 uF 2.2 uF	-20% 25 V EL -20% 25 V EL			R21 R22 R23	57.11.3103 57.11.3332 57.11.3151	10 kOhm 3.3 kOhm 150 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C15 C16 C17	59.22.5220 59.22.5220 59.22.5220	22 uF 22 uF 22 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL			R24 R25 R26	57.11.3182 57.11.3472 57.11.3153	1.8 kOhm 4.7 kOhm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C18 C24 C25	59.22.5220 59.22.5220 59.22.5220	22 uF 22 uF 22 uF	-20% 25 V EL -20% 25 V EL -20% 25 V EL			R27 R28 R29	57.11.3153 57.11.3751 57.11.3202	15 k0hm 750 Ohm 2 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C26 C27 C28	59.22.5220 59.22.5220 59.06.0683	22 uF 22 uF 68 nF	-20% 25 V EL -20% 25 V EL 10% 50 V PETP			R30 R31 R32	57.11.3332 57.11.3391 57.11.3391	3.3 kOhm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C29 C30 C31	59.06.0683 59.22.8229 59.22.8229	68 nF 2.2 uF 2.2 uF	10% 50 V PETP -20% 25 V EL -20% 25 V EL			R34 R65 R66	57.11.3391 57.11.3473 57.11.3472	390 Ohm 47 kOhm 4.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C35 C38	59.22.8229 59.22.8229 59.06.0683	2.2 uF 2.2 uF 68 nF	-20% 25 V EL -20% 25 V EL 10% 50 V PETP			R67 R68 R69	57.11.3473 57.11.3472 57.11.3473	47 kOhm 4.7 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C39 C40 C41	59.06.0683 59.06.0683 59.22.6100	68 nF 68 nF 10 uF	10% 50 V PETP 10% 50 V PETP -20% 25 V EL			R70 R71 R72	57.11.3472 57.11.3103 57.11.3103	4.7 kOhm 10 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C43 C44 C45	59.06.0683 59.06.0683 59.45.4101	68 nF 68 nF 100 pF	10% 50 V PETP 10% 50 V PETP 10% 50 V CER			R73 R76 R80	57.11.3473 57.11.3103 57.11.3103	47 kOhm 10 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	C46 C47	59.45.4101	100 pF	not used 10% 50 V CER			R82 R84	57.11.3472 57.11.3472	4.7 kOhm 4.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF		
U	DER (C	00) 91/08/12 GP	VU PANEL B	OARD MONO PL 1.727.938.	92 PAGE 1	STU	DER (OO) 91/08/12 GP	VU PANEL BO	ARD MONO	PL 1.727.938.82	PAGE
D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.		PART NO.	VALUE		EQUIVALENT	HAI
	C48	EO 04 0E12	185010	not used			R86 R87	57.11.3472 57.11.3332	4.7 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF		
	D1 D2 D3	50.04.0512 50.04.0125 50.04.0125	1N5818 1N4448 1N4448	30 V Schottky 50 V SI 50 V SI			R88 R89 R90	57.11.3682 57.11.3103 57.11.3473	6.8 kOhm 10 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	D4 D5	50.04.0125 50.04.0125	1N4448 1N4448	50 V SI 50 V SI			R91 R98 R99	57.11.3103 57.11.3103 57.11.3473	10 kOhm 10 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL1 DL2 DL3	50.04.2115 50.04.2500 50.04.2500	MV5752 MV5352 MV5352	LED red D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI		R100 R101 R102	57.11.3473 57.11.3473 57.11.3473	47 kOhm 47 kOhm 47 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL5 DL6	50.04.2500 50.04.2115 50.04.2500	NV5352 NV5752 NV5352	LED yel D=5 mm LED red D=5 mm LED yel D=5 mm	GI GI GI		R105 R106 R107	57.11.3473 57.11.3473 57.11.3332	47 kOhm 47 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL17 DL18	50.04.2115 50.04.2500 50.04.2500	MV5752 MV5352 MV5352	LED red D=5 mm LED yel D=5 mm LED yel D=5 mm	GI GI		R108 R109 R110	57.11.3391 57.11.3332 57.11.3391	390 Ohm 3.3 kOhm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL19 DL23 DL24 DL25	50.04.2119 50.04.2119 50.04.2119	MV57124 MV57124 MV57124	not used LED red 6.35*3.81 LED red 6.35*3.81 LED red 6.35*3.81	GI GI GI		R111 R117 R118	57.11.3332 57.11.3102 57.11.3102	3.3 kOhm 1 kOhm 1 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	IC3	50.17.1595 50.09.0107	74 HC 595 RC 4559	8-bit Shift Register tri Dual Op. Amp.	Ra		W1 W2	57.11.3000 57.11.3000		Bridge Bridge		
	IC5 IC9	50.09.0107 50.05.0199 50.07.0024	RC 4559 LM 324 MC 14052	Dual Op. Amp. Quad Op. Amp. CMOS Analog Switch	Ra NS/Mot Mot		XB1 XB2	53.04.0107 53.04.0107		Bulb Socket Bulb Socket		
	IC10 IC12 IC13	50.09.0107 50.09.0107 50.09.0107	RC 4559 RC 4559 RC 4559	Dual Op. Amp. Dual Op. Amp. Dual Op. Amp.	Ra Ra Ra		XIC1 XIC3	53.03.0168 53.03.0166	16-Pole 8-Pole	IC Socket IC Socket		
	IC15 IC16 IC17	50.09.0107 50.17.1010 50.17.1000	RC 4559 74 HC 10 74 HC 00	Dual Op. Amp. Triple 3-Input NAND Gate Quad 2-Input NAND Gate	Ra		XIC4 XIC5 XIC9	53.03.0166 53.03.0167 53.03.0168	8-Pole 14-Pole 16-Pole	IC Socket IC Socket IC Socket		
	IC18 IC22	50.17.1010 50.06.0596	74 HC 10 74 LS 596	Triple 3-Input NAND Gate - 8-bit Shift Register o.c			XIC10 XIC12 XIC13 XIC15	53.03.0166 53.03.0166 53.03.0166	8-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket		
י טיז	J1 DER (0	54.01.0299 0) 91/08/12 GP	13-Pole VU PANEL B	CIS Socket Strip DARD MONO PL 1.727.938.	AMP 82 PAGE 2	STU	XIC16	53.03.0166 53.03.0167) 91/08/12 GP	8-Pole 14-Pole VU PANEL BC	IC Socket IC Socket ARD MONO	PL 1.727.938.82	PAGE
	POS.NO.	PART NO. 54.01.0237	VALUE 20-Pole	SPECIFICATIONS / EQUIVALENT CIS Socket Strip	MANUF.	IND.	POS.NO.	PART NO. 53.03.0167	VALUE	SPECIFICATIONS	' EQUIVALENT	HA
	J3 J4 J5	54.01.0263 54.01.0299 54.01.0299	7-Pole 13-Pole 13-Pole	CIS Socket Strip CIS Socket Strip CIS Socket Strip	AMP AMP AMP		XIC18 XIC22	53.03.0167 53.03.0168	14-Pole 14-Pole 16-Pole	IC Socket IC Socket IC-Socket		
	ME1 MP1	1.727.360.01 43.01.0108	1 рсв	VU Meter ESE Warning label								
	MP2 MP3 MP4	53.03.0221 1.011.235.03 1.011.235.04	13 pcs 1 pcs 2 pcs	2-pole LED Socket Push button case 3* Push button case 4*								
	MP5 MP6 MP7	1.011.235.23 1.011.235.24 1.011.235.29	1 рсв 2 рсв 9 рсв	Conductive rubber 3* Conductive rubber 4* Bolt								
	MP9 MP9	1.011.235.30 1.011.235.32 1.011.235.33	9 рся 3 рся 6 рся	Push button 14*5 Calotte red Calotte vel								
	MP11 MP12 MP13	1.011.235.35 1.727.362.93 1.727.938.10	2 pcs 1 pcs 1 pcs	Dummy push button 19*5 L-LST Command Panel Board No. Label								
	MP14 MP15	1.727.928.11 1.727.925.93	1 pcs 1 pcs	VU PANEL PCB L-LST VU PANEL BOARD								
	P1 P2	54.02.0320 54.02.0320 50.03.0436	BC237B	Plug 2.840.8 Plug 2.840.8 BC547B, BC550B MPM	AMP AMP							
	Q2 Q3 R1	50.03.0436 50.03.0436 57.11.3391	BC237B BC237B 390 Ohm	BC547B, BC550B NPN BC547B, BC550B NPN 1%, 0.25W, MF								
	R2 R5 R6 R7 R8	57.11.3391 57.11.3391 57.11.3391 57.11.3391 57.11.3272	390 Ohm 390 Ohm 390 Ohm 390 Ohm 2.7 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		MF= H	tal Film, PACTURER: GI=	Cerm= Potention	meter Cermet, uments, Mot=	Motorola, ST= STU		
	R9	57.11.3272	470 kOhm	1%, 0.25W, MF		ORIG 9	91/08/12					



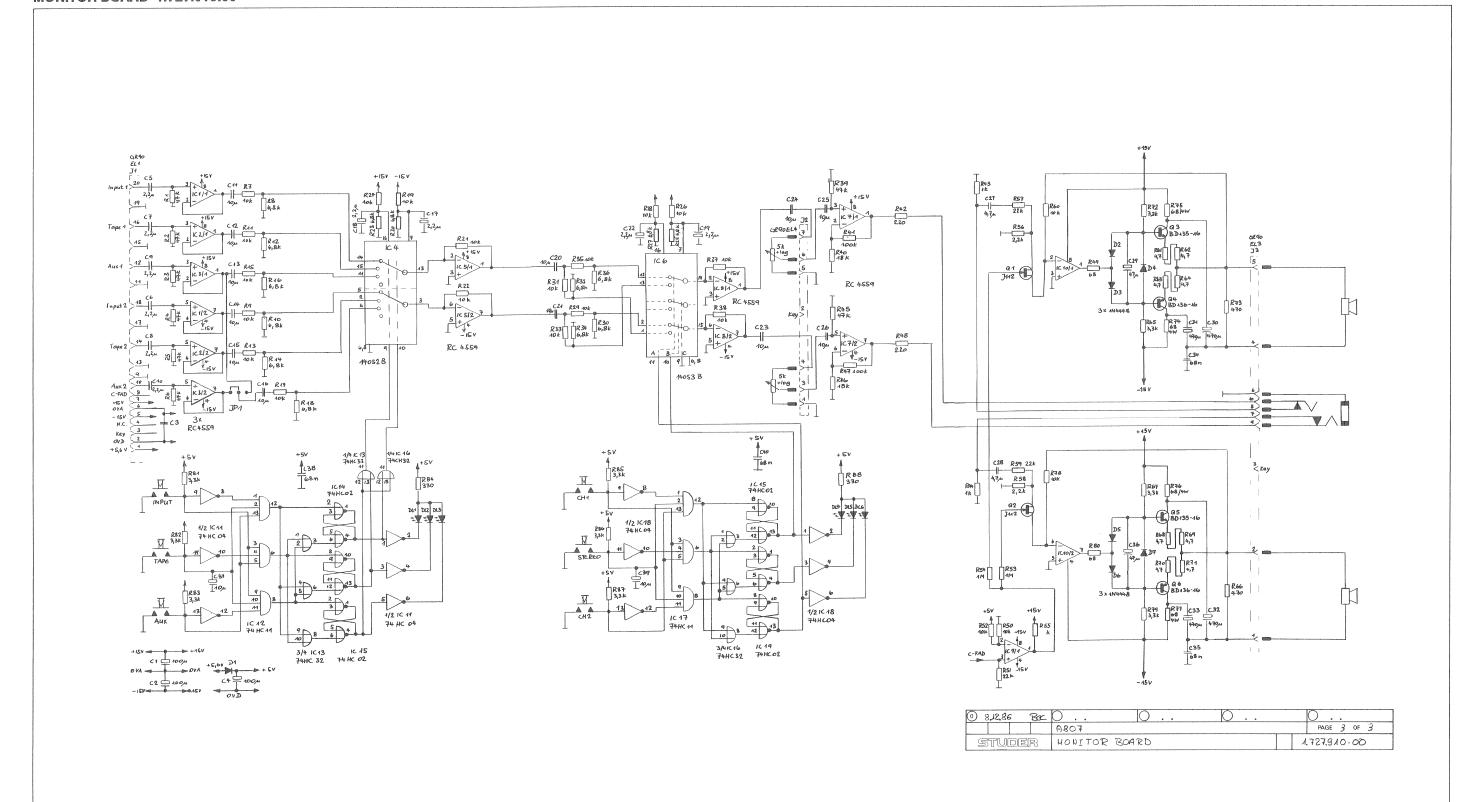




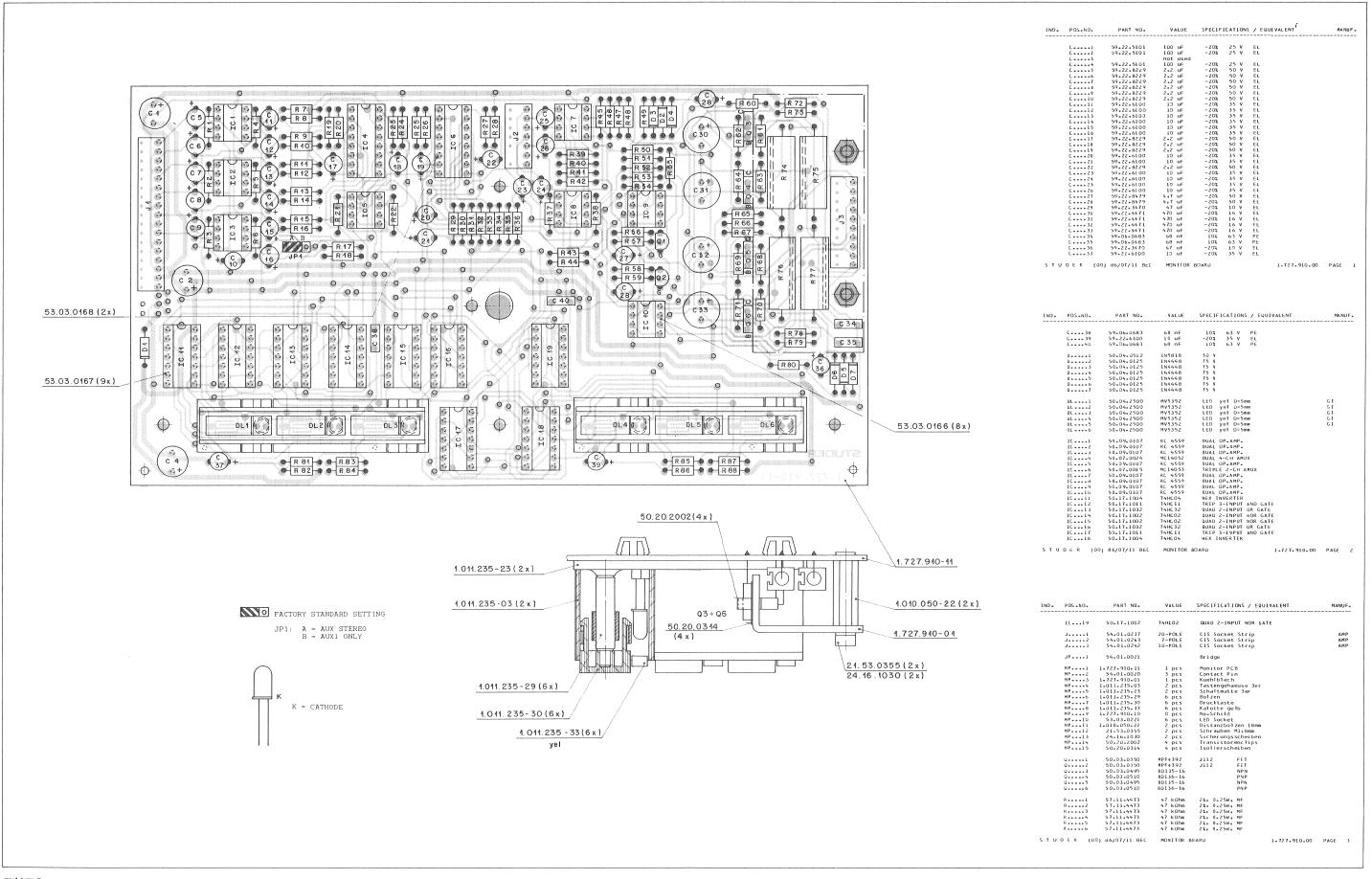


D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS /	EQUIVALENT	HANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQ	UIVALENT	MAN
	DL42 DL43 DL44	50.04.2500 50.04.2500 50.04.2500	MV5352 MV5352 MV5352	LED yel D=5 mm LED yel D=5 mm LED yel D=5 mm		GI GI GI		R39 R40 R41	57.11.3682 57.11.3682 57.11.3203	6.8 kOhm 6.8 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	DL45 DL46 DL47 DL48	50.04.2115 50.04.2115 50.04.2119 50.04.2119	MV5752 MV5752 MV57124 MV57124	LED red D=5 mm LED red D=5 mm LED red 6.35*3.8 LED red 6.35*3.8	1 nm	GI GI GI	(00)	R42 R42 R43 R44	57.11.3203 57.11.3822 57.11.3203 58.01.8203	20 kOhm 8.2 kOhm 20 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 10%, 0.5 W, PCERM		
	DL49 IC1	50.04.2119	MV57124 RC 4559	LED red 6.35*3.8	1 nn	GI Pa	(01)	R44 R45 R46	58.01.8503 57.11.3153 58.01.8203	50 kOhm 15 khhm 20 kOhm	10%, 0.5 W, PCERM 1%, 0.25W, MF 10%, 0.5 W, PCERM		
	IC2 IC3 IC4	50.09.0107 50.05.0199 50.17.1595	RC 4559 LM 324 74HC595	Dual Op. Amp. Quad Op. Amp. 8-Bit Shift Regi	eter Tri eter Tri	NS, Mot	(01)	R46 R47 R48	58.01.8503 57.11.3203 57.11.3103	50 kOhm 20 kOhm 10 kOhm	10%, 0.5 W, PCERM 1%, 0.25W, MF 1%, 0.25W, MF		
	IC5 IC6 IC7	50.17.1595 50.09.0107 50.09.0107	74HC595 RC 4559 RC 4559	8-Bit Shift Regi Dual Op. Amp. Dual Op. Amp.	ster Tri			R50 R51	57.11.3103 57.11.3332 57.11.3151	10 kOhm 3.3 kOhm 150 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	IC9 IC10	50.05.0199 50.06.0596 50.09.0107 50.09.0107	RC 4559 LM 324 74LS596 RC 4559	Quad Op. Amp. 8-Bit Shift Regin Dual Op. Amp. Dual Op. Amp. Quad Op. Amp.	ster O.C.	NS, Not Ra Ra		R52 R53 R54	57.11.3182 57.11.3472 57.11.3153 57.11.3153	1.8 kOhm 4.7 kOhm 15 kOhm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	IC11 IC12 IC13 IC44	50.05.0199 50.17.1595 50.17.1595	RC 4559 LM 324 74HC595 74HC595	Quad Op. Amp. 8-Bit Shift Regis 8-Bit Shift Regis	ster Tri ster Tri	NS, Mot		R54 R55 R56 R57 R58	57.11.3751 57.11.3202 57.11.3332	750 Ohm 2.0 kOhm 3.3 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF		
	IC15 IC16 IC17	50.09.0107 50.09.0107 50.05.0199	RC 4559 RC 4559 LM 324	Dual Op. Amp. Dual Op. Amp. Quad Op. Amp.		Ra Ra NS,Mot		R59 R60 R61	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	J1 J2	54.01.0237 54.01.0298	20-Pole 4-Pole	CIS Socket Strip CIS Socket Strtp		AMP		R62 R63 R64	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF		
	ME2 ME3	1.727.360.01 1.727.360.01 1.727.360.01		VU Meter VU Meter VU Meter		ST ST ST		R65 R66 R67 R68	57.11.3371 57.11.3272 57.11.3474 57.11.3682	2.7 kOhm 470 kOhm 6.8 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF		
	ME4 MP1	1.727.360.01 43.01.0108	1 pce	VU Meter ESE Warning labe 2-pole LED Socke	1	51		R59 R70 R71	57.11.3682 57.11.3682 57.11.3203	6.8 kOhm 6.8 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
U	MP2	53.03.0221 1) 90/01/11 DS	36 рсв		PL 1.727.945.00	PAGE 3	(00)	R73	57.11.3203 57.11.3822 57.11.3203 58.01.8203	20 kOhm 8.2 kOhm 20 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 10%, 0.5 W, PCERM		
							(01)	R74 R75	58.01.8503 57.11.3153 58.01.8203	50 kOhm 15 kOhm 20 kOhm	10%, 0.5 W, PCERM 1%, 0.5 W, PCERM 1%, 0.25W, MF 10%, 0.5 W, PCERM		
							(01)	R76 R77 R78	58.01.8503 57.11.3203 57.11.3103	50 kOhm 20 kOhm 10 kOhm	10%, 0.5 W, PCERM 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	POS.NO.	PART NO.		SPECIFICATIONS /		MANUF.		R79 R80 R81 R82	57.11.3103 57.11.3332 57.11.3151 57.11.3182	10 kOhm 3.3 kOhm 150 Ohm 1.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	MP4 MP5	1.011.235.04 1.011.235.24 1.011.235.29	8 pcs 8 pcs 24 pcs	Push Button Case Conductive Rubber Bolt	4* c 4*			R83 R84 R85 R86	57.11.3472 57.11.3153 57.11.3153 57.11.3751	4.7 kOhm 15 kOhm 15 kOhm 750 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF		
	MP7 MP8	1.011.235.30 1.011.235.32 1.011.235.33	24 pcs 12 pcs 12 pcs	Push Button 14*5 Calotte RED Calotte YEL	4* c 4* n 19*5			R87 R88 R89	57.11.3202 57.11.3332 57.11.3391	2.0 kOhm 3.3 kOhm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	MP10	1.011.235.35 1.727.362.93 1.727.945.10 1.727.945.11	8 pcs 4 pcs 1 pce 1 pce	Wiring List No. Label VU PANEL PCB	n 19*5			R90 R91 R92	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF		
	P1 P2	54.02.0320 54.02.0320	, poe	Plug 2.8*0.8 Plug 2.8*0.8		AMP AMP		R93 R94 R95 R96	57.11.3391 57.11.3391 57.11.3391 57.11.3272	390 Ohm 390 Ohm 390 Ohm 2.7 kOhm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF		
	P3 P4 P5	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8		AMP AMP AMP		R97 R98 R99	57.11.3474 57.11.3682 57.11.3682	470 k0hm 6.8 k0hm 6.8 k0hm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	P6 P7 P8	54.02.0320 54.02.0320 54.02.0320		Plug 2.8*0.8 Plug 2.8*0.8 Plug 2.8*0.8		AMP AMP AMP	(00)	R100 R101 R102	57.11.3682 57.11.3203 57.11.3203	6.8 kOhm 20 kOhm 20 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	Q1 Q2 Q3	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B BC547B, BC550B BC547B, BC550B	NPN NPN NPN		(01)		57.11.3822 57.11.3203 58.01.8203 58.01.8503	8.2 kOhm 20 kOhm 20 kOhm 50 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 10%, 0.5 W, PCERM 10%, 0.5 W, PCERM		
	Q4 Q5 Q6	50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B	BC547B, BC550B BC547B, BC550B BC547B, BC550B	NPN NPN NPN		(00)	R105 R106 R106	57.11.3153 58.01.8203 58.01.8503	15 kOhm 20 kOhm 50 kOhm	1%, 0.25W, MF 10%, 0.5 W, PCERM 10%, 0.5 W, PCERM		
	Q7 Q8 Q9 Q10	50.03.0436 50.03.0436 50.03.0436 50.03.0436	BC237B BC237B BC237B BC237B	BC547B, BC550B BC547B, BC550B BC547B, BC550B BC547B, BC550B	NPN NPN NPN NPN			R107 R108 R109	57.11.3203 57.11.3103 57.11.3103	20 kOhm 10 kOhm 10 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
	Q11 Q12	50.03.0436 50.03.0436	BC237B BC237B	BC547B, BC550B BC547B, BC550B	NPN NPN			R110 R111 R112 R113	57.11.3332 57.11.3151 57.11.3182 57.11.3472	3.3 kOhm 150 Ohm 1.8 kOhm 4.7 kOhm	1%, 0.25%, HF 1%, 0.25%, HF 1%, 0.25%, MF 1%, 0.25%, HF		
	R2 R3	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				R114 R115 R116	57.11.3153 57.11.3153 57.11.3751	15 kOhm 15 kOhm 750 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF		
υ	DER (O:	1) 90/01/11 DS			PL 1.727.945.00	PAGE 4		R117 R118 R119 R120	57.11.3202 57.11.3332 57.11.3391 57.11.3391	2.0 kOhm 3.3 kOhm 390 Ohm 390 Ohm	1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF 1%, 0.25%, MF		
								XB1 XB2 XB3	53.04.0107 53.04.0107 53.04.0107		Lamp holder Lamp holder Lamp holder		
								XB4 XB5 XB6	53.04.0107 53.04.0107 53.04.0107		Lamp holder Lamp holder Lamp holder		
·	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / I	CQUIVALENT	MANUF.		XB7 XB8	53.04.0107 53.04.0107 53.03.0166	8-Pole	Lamp holder Lamp holder IC Socket		
	R5 R6 R7	57.11.3391 57.11.3272 57.11.3474	390 Ohm 2.7 kOhm 470 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				XIC2 XIC3 XIC4	53.03.0166 53.03.0167 53.03.0168	8-Pole 14-Pole 16-Pole	IC Socket IC Socket IC Socket IC Socket		
	R9 R10	57.11.3682 57.11.3682 57.11.3682	6.8 kOhm 6.8 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				XIC5 XIC6 XIC7 XIC8	53.03.0168 53.03.0166 53.03.0166 53.03.0167	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket		
)	R12 R12 R12 R13	57.11.3203 57.11.3203 57.11.3822 57.11.3203	20 kOhm 20 kOhm 8.2 kOhm 20 kOhm	1%, 0.25W, HF 1%, 0.25W, HF 1%, 0.25W, HF				XIC9 XIC10	53.03.0168 53.03.0166	14-Pole 16-Pole 8-Pole	IC Socket IC Socket IC Socket		
)	R14 R14 R15	58.01.8203 58.01.8503 57.11.3153 58.01.8203	20 kOhm 50 kOhm 15 kOhm 20 kOhm	10%, 0.5 W, PCERM 10%, 0.5 W, PCERM 1%, 0.25W, MF 10%, 0.5 W, PCERM			STU	DER (01) 90/01/11 DS	VU PANEL BO	DARD 4CH	PL 1.727.945.00	PAGE
Ś	R16 R16 R17 R18	58.01.8503 57.11.3203 57.11.3103	50 kOhm 20 kOhm 10 kOhm	10%, 0.5 W, PCERM 1%, 0.25W, MF 1%, 0.25W, MF				POS.NO.	PART NO.		SPECIFICATIONS / EQU		HAI
	R19 R20 R21 R22	57.11.3103 57.11.3332 57.11.3151 57.11.3182	10 kOhm 3.3 kOhm 150 Ohm 1.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				XIC11 XIC12 XIC13	53.03.0166 53.03.0168 53.03.0168	8-Pole 14-Pole 16-Pole	IC Socket IC Socket IC Socket		
	R23 R24 R25	57.11.3472 57.11.3153 57.11.3153	4.7 kOhm 15 kOhm 15 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				XIC14 XIC15 XIC16	53.03.0168 53.03.0166 53.03.0166	16-Pole 8-Pole 8-Pole	IC Socket IC Socket IC Socket		
	R26 R27 R28	57.11.3751 57.11.3202 57.11.3332	750 Ohm 2.0 kOhm 3.3 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				XIC17	53.03.0168	14-Pole	IC Socket		
	R30 R31 R32	57.11.3391 57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF									
	R33 R34 R35	57.11.3391 57.11.3391 57.11.3391	390 Ohm 390 Ohm 390 Ohm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF			HF=Me	tal Film, PC ACTURER: AME	Clestrolytic, PR Cerm=Pot. Cermet 7, GI=General In	strument, IT	T, Mot=Motorola,		
	R36 R37 R38	57.11.3272 57.11.3474 57.11.3682	2.7 kOhm 470 kOhm 6.8 kOhm	1%, 0.25W, MF 1%, 0.25W, MF 1%, 0.25W, MF				NS-	National Semico	nductor, RA=	Raytheon, ST=STUDER		

MONITOR BOARD 1.727.910.00



MONITOR BOARD 1.727.910.00



MONITOR BOARD 1.727.910.00

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IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
                                                                       10 kOhm
6-8 kOhm
10 kO
     S T U D E R (00) 86/07/11 BEC
                                                                                                                                                                                                                                                                                                                                                                     MONITOR BOARD
     INO. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
                                                                                                                                                                                                       57-11-4332
57-11-4332
57-11-4331
57-11-4331
57-11-4332
57-11-4332
57-11-4331
                                                                                                                                                                                                                                                                                                                                                         3.3 kOhm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2% 0.25% MF
                                                                                                                                                                                                          57-11-4331
54-03-0166
54-03-0166
54-03-0168
54-03-0168
54-03-0168
54-03-0168
54-03-0168
54-03-0167
54-03-0167
54-03-0167
54-03-0167
54-03-0167
54-03-0167
54-03-0167
                                                                             XIC ...1

XIC ...2

XIC ...4

XIC ...5

XIC ...6

XIC ...6

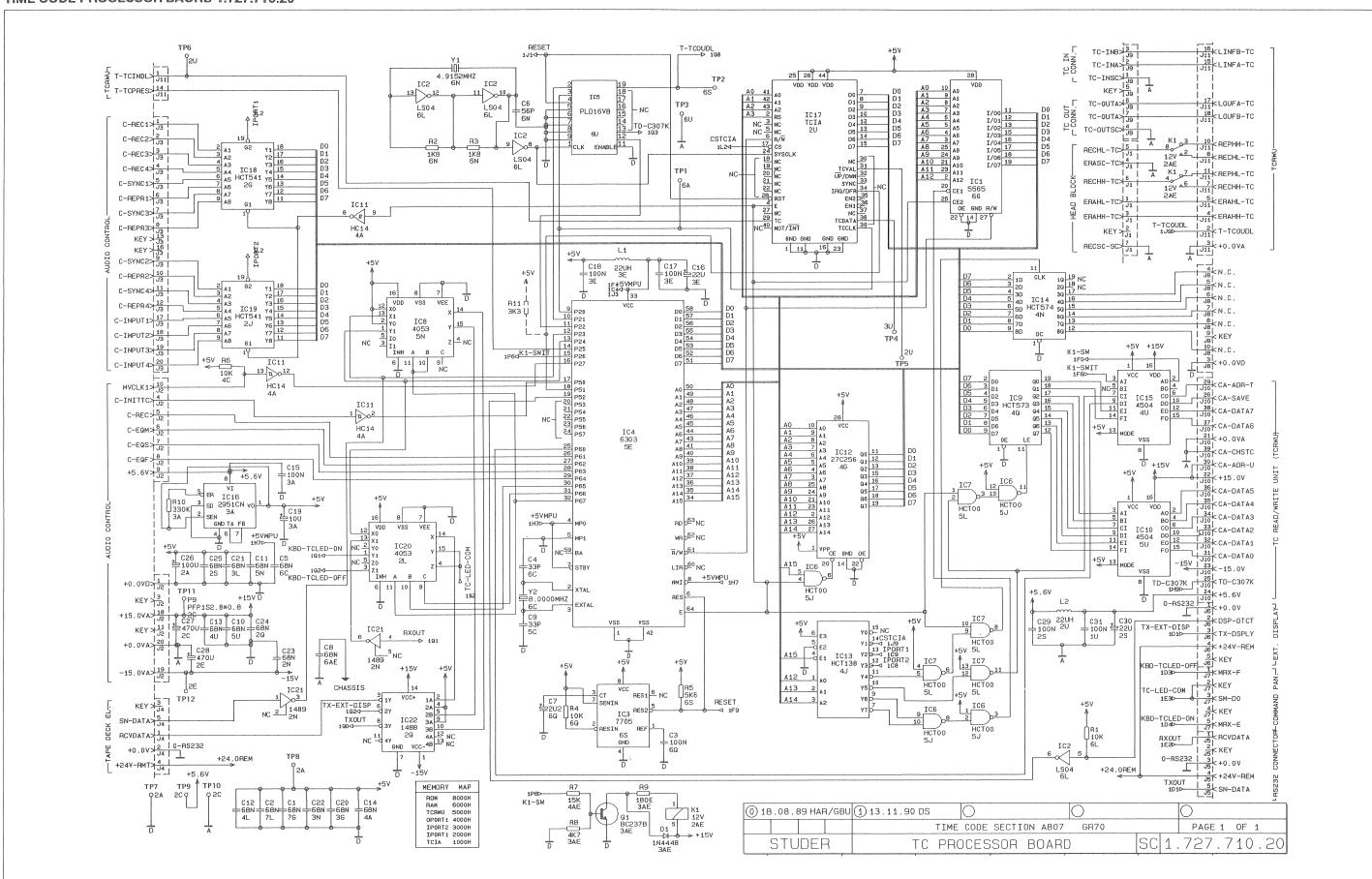
XIC ...7

XIC ...8

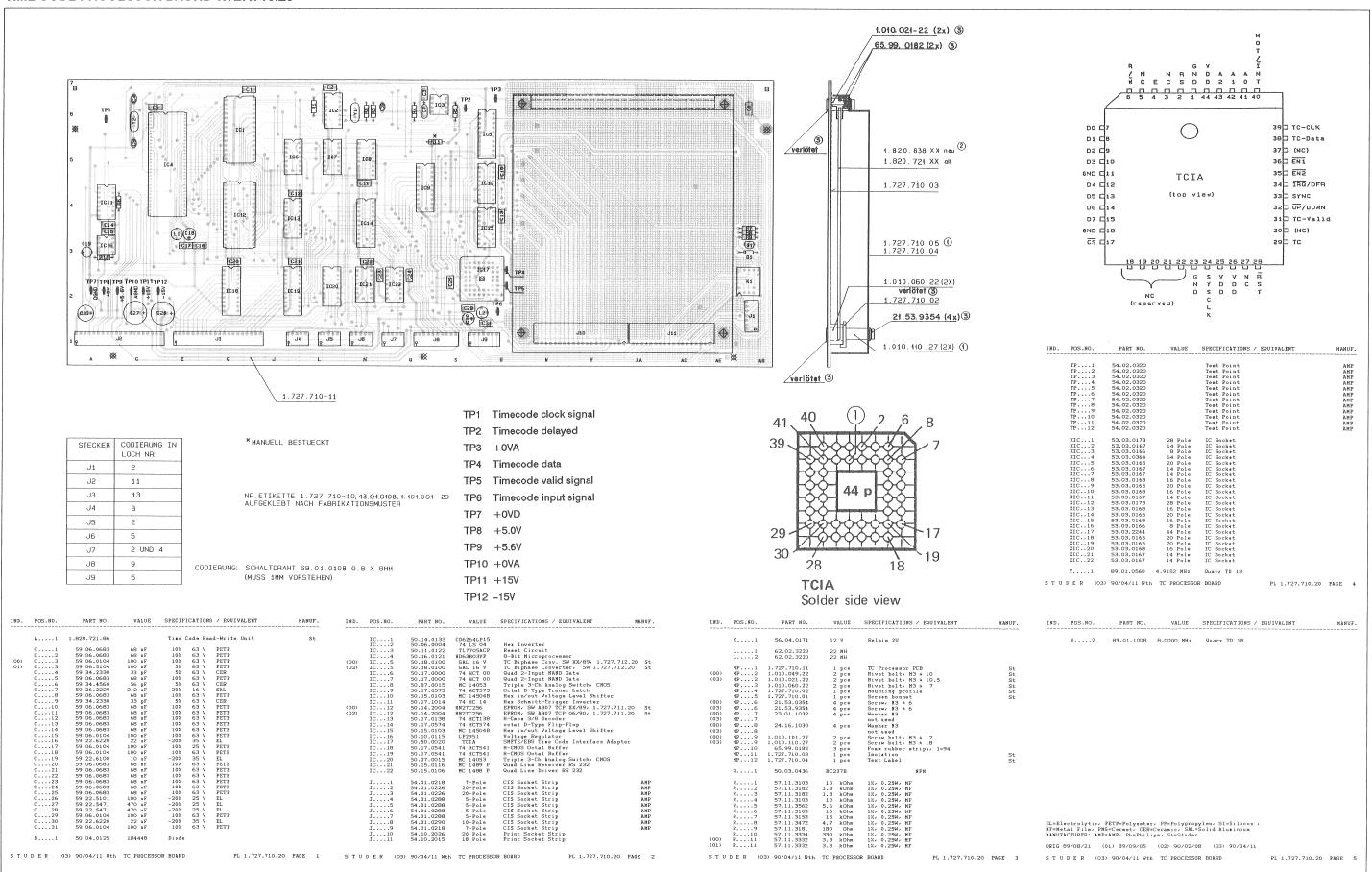
XIC ...10

XIC ...1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IC Socket
  EL=Electrolytic, PP=Polypropylen, SI=Silicon, MF=Metal Film MANUFACTUREK:
ORIG 86/07/11
S T U D E R (00) 86/07/11 BEC MONITOR BOARD 1.727.910.00 PAGE 6
        IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.
                                                                    1 kOhm
47 kOhm
18 kOhm
10 kOhm
10 kOhm
10 kOhm
10 kOhm
10 kOhm
11 kOhm
12 kOhm
12 kOhm
12 kOhm
12 kOhm
14 KOhm
14 KOhm
15 KOhm
16 KOhm
16 KOhm
17 KOhm
18 KOhm
19 KOhm
10 kOhm
     S T U D E R (00) 86/07/11 BEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.727.910.00 PAGE 5
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TIME CODE PROCESSOR BAORD 1.727.710.20



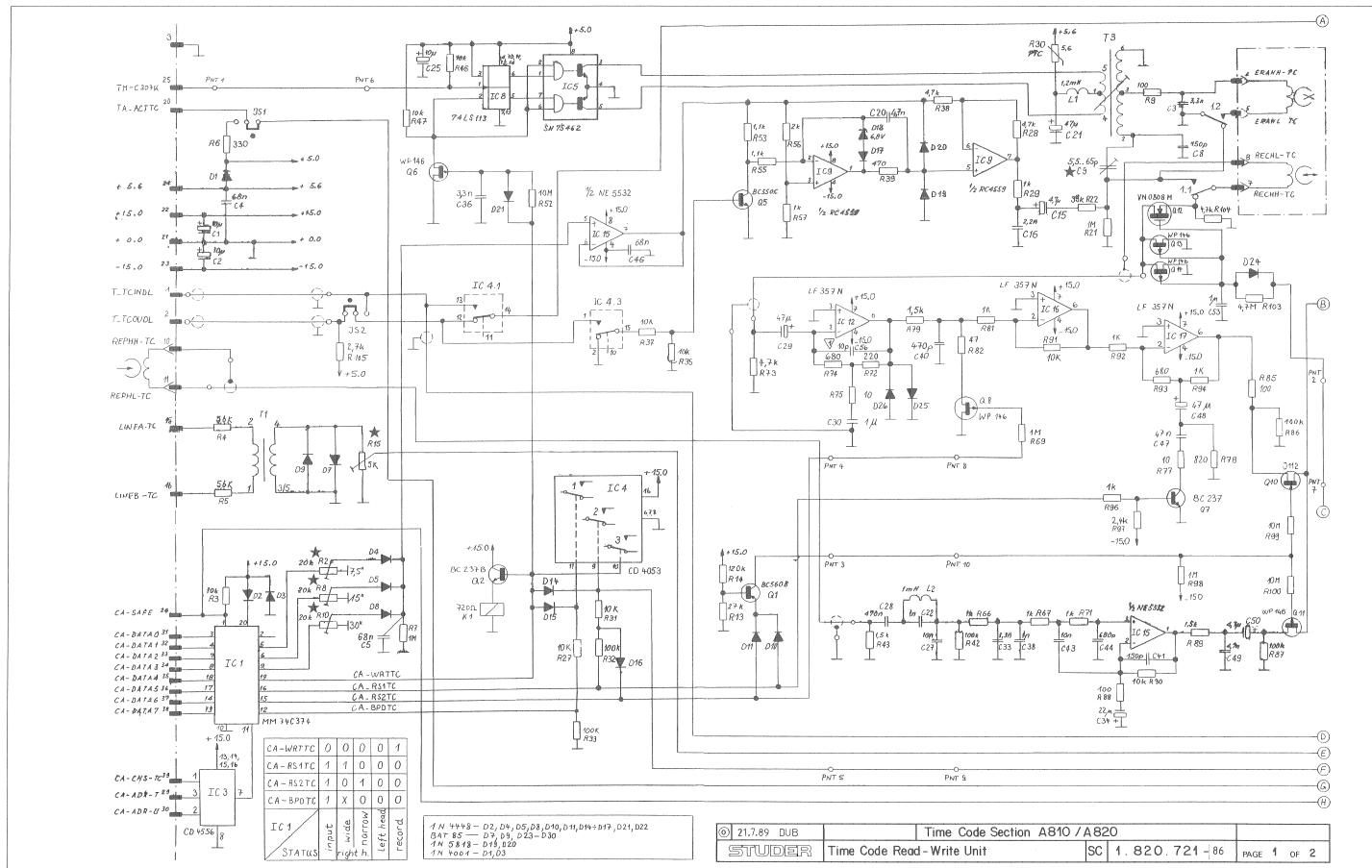
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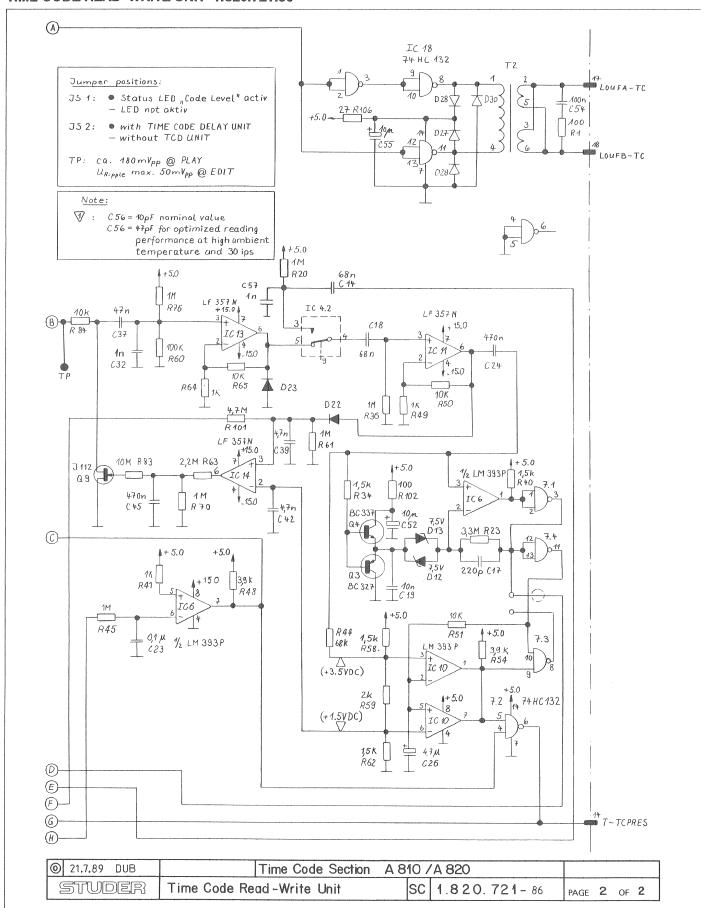
★ R15: LINE INPUT CALIBRATION RECORD R2: RECORD LEVEL SETTING FOR 7,5" (33/4IPS) ★ R8: RECORD LEVEL SETTING FOR 15" ★ R10: RECORD LEVEL SETTING FOR 30" ★ C9:

BIAS CURRENT ALIGNMENT

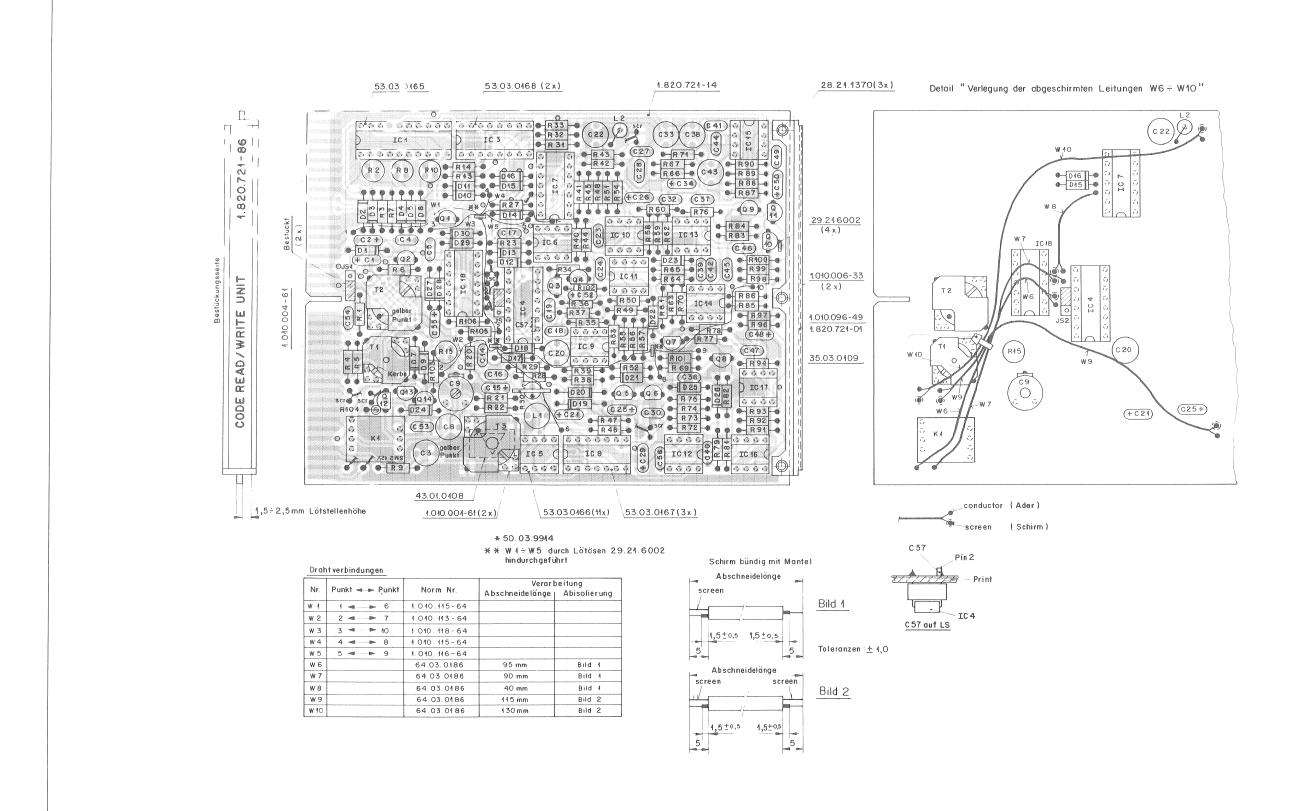
TIME CODE READ-WRITE UNIT 1.820.721.86



TIME CODE READ-WRITE UNIT 1.820.721.86



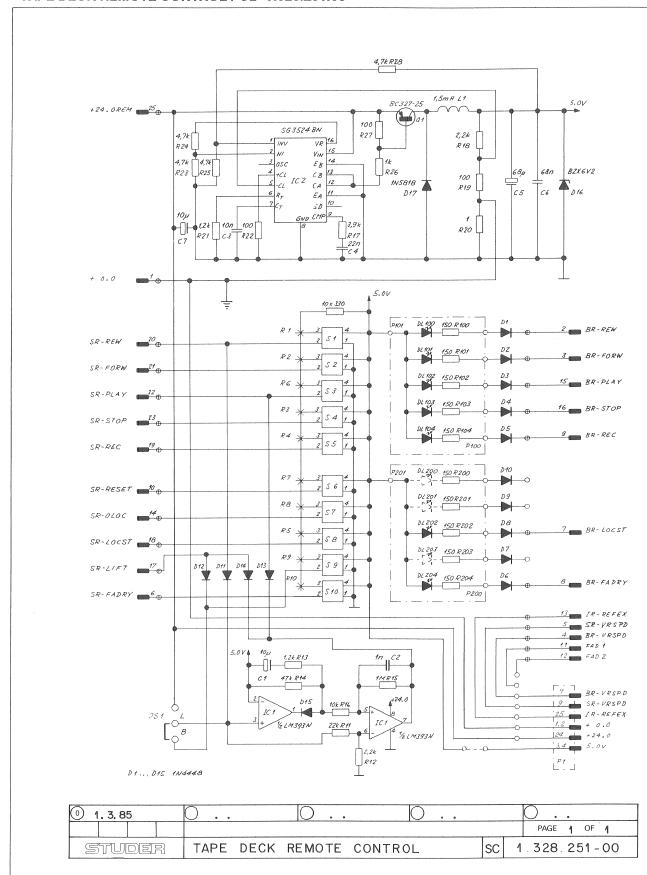
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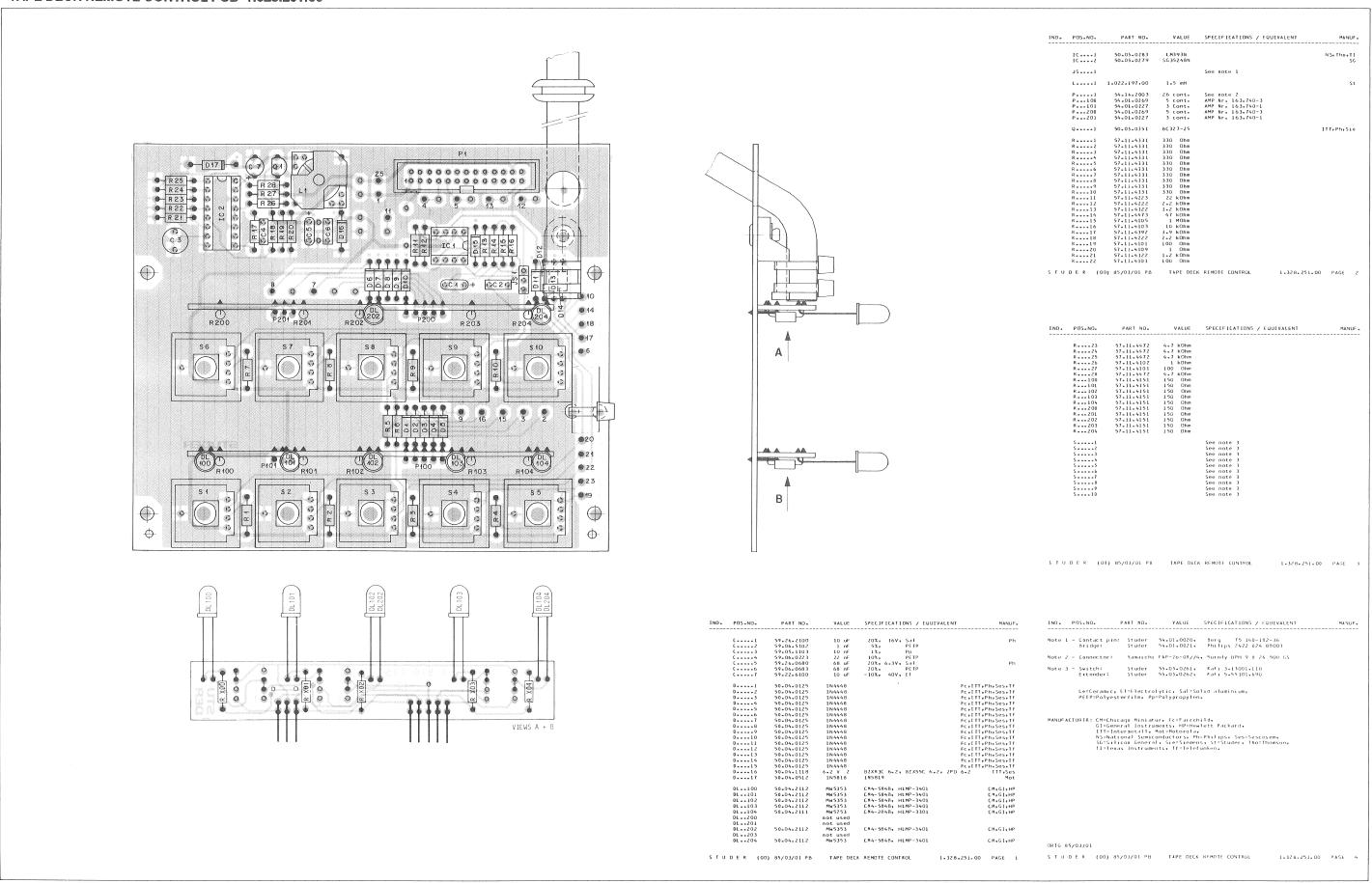
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	6. 2100 10 6. 2100 10 6. 2100 10 6. 2100 10 6. 2100 10 8. 0102 65 8. 0102 65 8. 0102 65 8. 0102 66 6. 0683 68 6. 0683 68 6. 0683 68 6. 0683 68 6. 0683 68	uF 20%, 164, Sal nf 2.5% nF 10% nF 10% ed ed pF 2.5% F Trimmer Capacitor, Philips ed dd dd ed nF 10%	Ph/Ri Ph/Ri o Nr 2222 808 01001	K1 56.04.0171 SM D1012 ITT L1 62.02.2122 1.2 mH TDK Nr. CSL 0812-122 J L2 62.01.0128 1 mH Gowanda Nr. 17-104, Delevan Nr. 1641-105 Q1 50.03.0496 BC580E Q2 50.03.0496 BC580E Q2 50.03.0436 BC237B BC547B, BC550B ITT, Not. Fh. Sie Q3 50.03.0351 BC327-25	R92 57.11.4102 1 kOhm 2% R93 57.11.4681 680 Ohm 2% R94 57.11.4102 1 kOhm 2% R95 not used R96 57.11.4102 1 kOhm 5% R97 57.11.3242 2.4 kOhm 5% R98 57.11.4105 1 KOhm 5%
/	5.2151 150 8.0102 65 not us not us 6.0683 68 6.5479 4.7 6.0222 2.2 4.4221 220 6.0683 68 6.0103 10	pF 2.5% pF Trimmer Capacitor, Philips ed ed ed ed of F 10%	Nr 2222 808 01001	93 50.03.0351 BC327-25 ITT/Ph/Sie	
13 14 59.00 15 59.20 16 59.00 17 59.31 18 59.00 20 59.01 21 59.02 22 59.03 23 59.00 24 59.00 25 59.25	6.0683 68 6.5479 4.7 6.0222 2.2 4.4221 220 6.0683 68 6.0103 10	ed nF 10%		G4 50.03.0340 BC337-25 ITT.MS.Ph.Sie G5 50.03.0497 BC550E G6 50.03.0329 WP 146 G7 50.03.0349 BC2378 BC5478, BC550B ITT.Mot.Ph.Sie	R99 57.11.5106 10 HOhm 5% R100 57.11.5106 10 HOhm 5% R101 57.11.5475 4.7 HOhm 5% R102 57.11.4101 100 Ohm 5% R102 57.11.4101 100 Ohm 5% R103 57.11.5475 4.7 HOhm 5%
18 59.06 19 59.06 20 59.05 21 59.05 22 59.05 23 59.06 24 59.06 25 59.26	6.0683 68 6.0103 10	nF 10%	Ph/Ri	G8 50.03.0319 NP 146 Six G9 50.03.0350 J112F J112, TM00062 Sc.NS.Mot G10 50.03.0330 J112F J112, TM00062 Sc.NS.Mot G11 50.03.0329 NP 146 Six G12 50.03.1505 VN 0600H ZVN 0108A Fe.Six	R104 57.11.4472 4.7 kOhm 5% R105 57.11.4272 2.7 kOhm 5% R106 57.11.4270 27 Ohm 5% T1 1.022.218.00 Input Transformer 1:1 St
23 59.06 24 59.06 25 59.26 26 59.26	6.0470 47	nF 10% nF 10% nF 2.5% uF 20%, 6.3V, Sal	Ph∕Ri	Q13 50.03.0329 MP 146 Six Q14 50.03.0329 MP 146 Six R1 57.11.4101 100 Ohn 5% R2 58.11.6203 20 tOhn See Note 2	T2 1.022.215.00 Time Code Output Transformer St T3 1.022.221.00 Time Code HF Transformer St
	6.0104 100 6.0474 470 6.2100 10 6.5479 4.7 6.0103 10	nF 10% nF 10% uF 20%, 16V, Sal uF 20%, 25V, Sal	Ph/Ri Ph/Ri	R3 57.11.4103 10 NOha 2% R4 57.11.4562 5.6 NOha 2% R5 57.11.4562 5.6 NOha 2% R6 57.11.4331 330 Oha 2% R6 77.11.4105 1 NOha 2%	
28 59.06 29 59.26 30 59.06	6.0474 470 6.0470 47 6.5105 1 not us 6.5102 1	nF 10% uF 20%, 6.3V, Sal uF 5% ed	Ph/R1	R8 58.11.6203 20 kOhm See Note 2 R9 57.11.4101 100 Ohm 2% R10 58.11.6203 20 kOhm See Note 2 R11 not used R12	
33 59.05 34 59.26 35 36 59.06	5.1332 3.3 6.1220 22 not us 6.0332 3.3 6.0473 47	nF 1% uF 20%, 10V, Sal ed nF 10%	Ph.Ri	R13 57.11.4273 27 KOha 5K R14 57.11.4124 120 kOha 5K R15 58.11.6502 51Oha 5we Note 3 R16 not used R17	
	7/21 DUB CODE R		20.721.86 PAGE L	S T U D E R (00) 89/07/21 DUB CODE READ/WRITE UNIT PL 1.820.721.86 PAGE 4	S T U D E R (00) 89/07/21 DUB CODE READ/WRITE UNIT PL 1.820.721.86 PAGE 7
NO DA	RT NO. VAL	UE SPECIFICATIONS / EQUIVALEN	IT HANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT KANUF.
38 59.05	5.1102 1 6.0472 4.7 2.2471 470	nF 1% nF 10%	10001	R18 not used R19 not used R20 57.11.4105 1 MOha 2%	Note 1: Contact pin: Studer Nr. 54.01.0020 Berg Nr. 75 160-102-36
41 59.34 42 59.06 43 59.05 44 59.32	4.4151 150 6.0472 4.7 5.1103 10 2.2681 680	pF 5%, Cer nF 10% nF 1% pF 10% Cer		R21 57.11.4105 1 MOhm 2X R22 57.11.4393 39 kOhm 2X R23 57.11.5335 3.3 MOhm 5X R24	Philips Nr. 2422 025 89303 Bridge: Studer Nr. 54.01.0021 Commatel Nr. 313.1355.000 408 Philips Nr. 2422 024 88003
46 59.06 47 59.06 48 59.26 49 59.06	6.0683 68 6.0473 47 6.0470 47 6.0472 4.7	nF 10% nF 10% uF 20%, 6.3V, Sal nF 10%	Ph/Ri	R25 not used R26 R27 57.11.4103 10 kOhn 2% R27 57.11.3102 4.7 kOhn 1% R29 57.11.3102 1 kOhn 1% R29 57.99.0209 5.6 Ohn PTC Remistor, Philips Nr. 2322 662 91005	Note 2: Potentiometer, linear, Bourns Mr. 3329 H - 1 - 203 VRN Mr. 170 - 20k Lees Mr. 170 - 20k Note 3: Potentiometer, linear, Bourns Mr. 3329 H - 1 - 502
51 52 59.26 53 59.06 54 59.06	6.5479 4.7 not us 6.1100 10 6.5105 1 6.0104 100	ed uF 20%, 10V, Sal uF 5% nF 10%	Ph/Ri Ph/Ri	R31 57.11.4103 10 kOhn 2% R32 57.11.4104 100 kOhn 5% R33 57.11.4104 100 kOhn 2% R34 57.11.4105 1.5 kOhn 2%	VRN Nr. 170 - 5k Lesa Nr. 170 - 5k
56 59.34 57 59.60	6.1100 10 4.1100 10 0.0102 1 4.0122 1N400	pF 5% Cer nF 5% Cer, Chip 1 1N4002, 1N4003, 1N4004	Ph/Ri Hot/GI/Sol	R36 57.11.4105 1 MOha 2X R37 57.11.4103 10 kOha 2X R38 57.11.3472 4.7 kOha 1X R39 57.11.4471 470 Oha 2X	CBT=CGTAMBIC, Sal=Solid Aluminum MANUFACTURER: Ex=Exar, Fo=Fairchild, Fe=Ferranti, 61=General Instruments, ITT=Intermetall,
3 50.04 4 50.04 5 50.04	4.0125 1N444 4.0122 1N400 4.0125 1N444 4.0125 1N444 not us	1 1N4002, 1N4003, 1N4004 8 8 ed	Fc/ITT/Ph/Ses Kot/GI/Sol Fc/ITT/Ph/Ses Fc/ITT/Ph/Ses Pc/ITT/Ph/Ses	R41 57.11.4102 1 kOhn 2% R42 57.11.4104 100 kOhn 2% R43 57.11.4152 1.5 kOhn 2% R44 57.11.4639 66 kOhn 2%	Mot-Motrolar NS-National Semiconductors, Ph=Philips, Ra=Raytheon, RCh=Radio Corp. of America, Sam=Samcomen. Si==Simments. Si=Simments. St=Studer, Six=Siliconix, TS=Taledyne Semiconductors, T=Talefunken. TI=Taxas Instruments T=Talefunken. TI=Taxas Instruments
8 50.04 9 50.04 10 50.04 11 50.04	4.0127 BAT 6 4.0125 IN444 4.0127 BAT 6 4.0125 IN444 4.0125 IN444 4.1103 7.5 V	8 5 BAS 40-D2 8 8	Fc/ITT/Ph/Ses Ph/Sie Fc/ITT/Ph/Ses Fc/ITT/Ph/Ses	R46 57.11.4103 10 kOhn 2X R47 57.11.4103 10 kOhn 2X R48 57.11.4392 3.9 kOhn 2X R49 57.11.402 1 kOhn 2X	II-lerermikan, II-leves Instruments
13 50.04 14 50.04 15 50.04	4.1103 7.5 V 4.1103 7.5 V 4.0125 1N444 4.0125 1N444 4.0125 1N444	Z BZX83C 7V5, BZX55C 7V5, Z 8 8		R50 57.11.4103 10 k0ha 2% R51 57.11.4103 10 k0ha 2% R52 57.11.5106 10 k0ha 5% R53 57.11.5102 1.1 k0ha 1% R54 57.11.312 3.1 k0ha 2%	ORIG 89/07/21
R (00) 89/0°	7/21 DUB CODE F	READ/WRITE UNIT PL 1.8	320.721.86 PAGE 2	S T U D E R (OO) 89/07/21 DUB CODE READ/WRITE UNIT PL 1.820.721.86 PAGE 5	S T U D E R (00) 89/07/21 DUB CODE READ/WRITE UNIT PL 1.820.721.86 PAGE 8
17 50.04	RT NO. VAL 4.0125 1N444 4.1102 6.8 V	18	Fc,ITT,Ph,Ses	IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF. R55 57.11.3112 1.1 kOhm 1% R56 57.11.3202 2 kOhm 1%	
19 50.04 20 50.04 21 50.04 22 50.04	4.0512 1N581 4.0512 1N581 4.0125 1N444 4.0125 1N444 4.0127 BAT 6	.8 1N5819 .8 1N5819 .8	Mot Hot Fc,ITT,Ph,Ses Fc,ITT,Ph,Ses Ph,Sie	R57 57.11.3102 1 kOhm 1% R58 57.11.3152 1.5 kOhm 1% R59 57.11.3202 2 kOhm 1% R60 57.11.4104 100 kOhm 2% R61 57.11.4105 1 MOhm 2%	
24 50.04 25 50.04 26 50.04 27 50.04	4.0127 BAT 6	35 BAS 40-02 55 BAS 40-02 55 BAS 40-02 55 BAS 40-02	Ph/Sie Ph/Sie Ph/Sie Ph/Sie Ph/Sie	R62 57.11.3152 1.5 kOha 1% R63 57.11.5225 2.2 kOha 5% R64 57.11.4102 1 kOha 2% R65 57.11.4103 10 kOha 2% R66 57.11.3102 1 kOha 1%	
29 50.04 30 50.04	4.0127 BAT 6 4.0127 BAT 6 7.0003 MM74C3	35 BAS 40-02 55 BAS 40-02 874N	Ph/Sie Ph/Sie NSC	R67 57.11.3102 1 kOhm 1% R68 not used R69 57.11.4105 1 MOhm 2% R70 57.11.4105 1 MOhm 2% R71 57.11.4102 1 kOhm 2%	
4 50.0° 5 50.0° 6 50.0°	7.0004 MC14556 7.0015 MC1405 5.0227 SN7546 5.0283 LN393N 7.1132 MC74HC	BBCP CD4556BE, 4556BPC BBB CD4053BCN BCP SN75472P, SN75462JG LH393	Fc.Mot.RCA Mot.NSC TI NSC.TI Hot.Ph.NS	R72 57.11.4221 220 Oha 2% R73 57.11.4472 4.7 kOha 5% R74 57.11.4681 680 Oha 2% R75 57.11.4100 10 Oha 2% R76 57.11.10 1 Oha 2%	
8 50.06 9 50.09 10 50.09 11 50.09	7.1132 RC74HC 6.0113 SN74LS1 9.0107 RC4559 5.0283 LM393N 9.0110 LF357 9.0110 LF357	.13N	TI/Sig/NSC Ra MSC/TI NS	R70 57.11.4100 10 Ohn 2% R78 57.11.4100 10 Ohn 2% R79 57.11.4821 820 Ohn 2% R79 57.11.4102 1.5 kOhn 2% R80 R81 57.11.4102 1 kOhn 2%	
13 50.09 14 50.09 15 50.09 16 50.09	9.0110 LF357 9.0110 LF357 9.0106 ME5532 9.0110 LF357	A Slew rate >40V/lus A Slew rate >40V/lus AN XR5532AN, 5532ANB A Slew rate >40V/lus	NS NS Sig/Ex/Ra NS	R82 57.11.4470 47 Ohn 2% R83 57.11.5106 10 MOhn 5% R84 57.11.4103 10 kOhn 2% R85 57.11.4101 100 Ohn 2%	
17 50.09 18 50.13	9.0110 LF357 7.1132 NC74HC	A Slew rate >40V/lus 1132 PC74HC132 NH74HC132 See Note 1 See Note 1	NS Mot/Ph/NS	R86 57.11.4104 100 kOhn 2% R87 57.11.4104 100 kOhn 2% R88 57.11.4101 100 Chn 2% R89 57.11.4102 1.5 kOhn 2% R99 57.11.4103 10 kOhn 2% R90 57.11.4103 10 kOhn 2%	

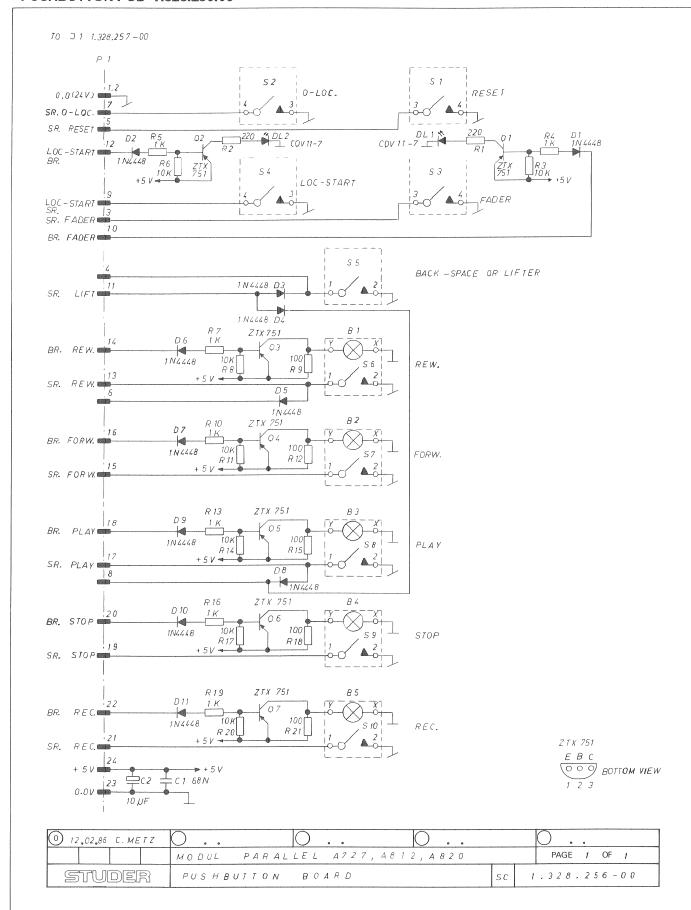
TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.00 -TAPE DECK REMOTE CONTROL PCB 1.328.251.00



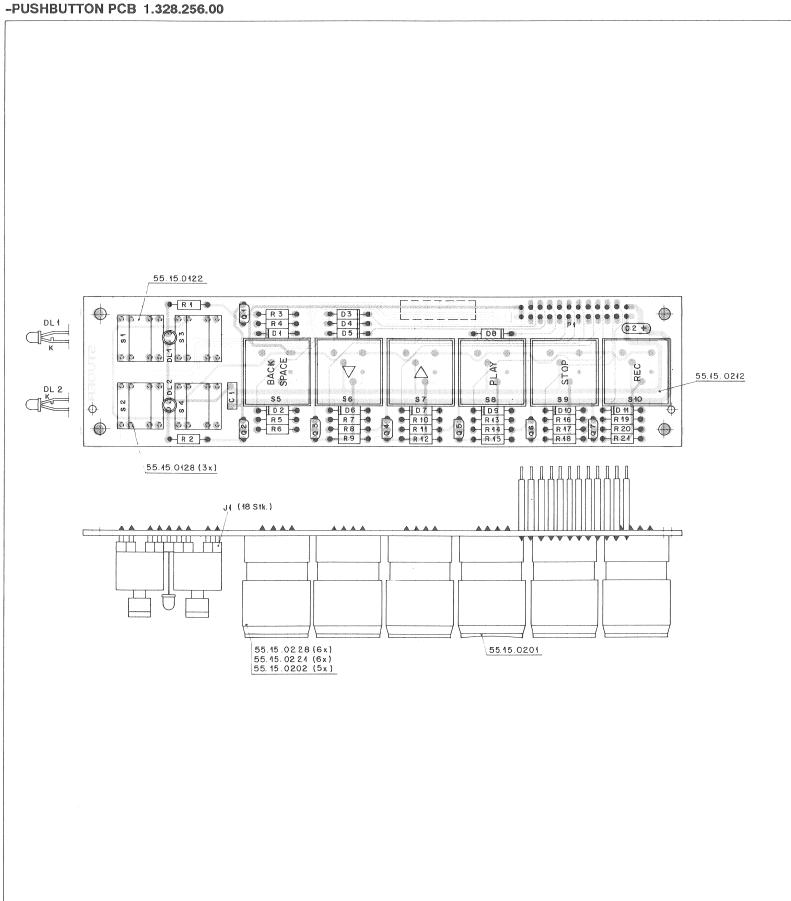
TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.00 -TAPE DECK REMOTE CONTROL PCB 1.328.251.00



TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00 -PUSHBUTTON PCB 1.328.256.00



TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00



		PART NO.		SPECIFICATIONS / EQUIVALENT	HANUF
	B1 B2 B3 B4 B5	51.02.0155 51.02.0155 51.02.0155 51.02.0155 51.02.0155		5 V; 0.060 A 5 V; 0.060 A 5 V; 0.060 A 5 V; 0.060 A 5 V; 0.060 A	
	C1 C2	59.06.0683 59.26.2100	.068 u 10 u	10%, 63V , PETP 20%, 16V , SAL	
	D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11	50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125 50.04.0125	I N 4448 I N 4448	75 V; 0.1 A Si. 75 V; 0.1 A Si.	
	DL1 DL2	50.04.2129 50.04.2129	LS 3160 LS 3160	Diffused red (see Note 2) Diffused red (see Note 2)	Sie. Sie.
		1.010.019.54	2 * 12 pin	24 pcs. L = 20 MM.	
	91 92 93 94 95 96 97	50.03.0352 50.03.0352 50.03.0352 50.03.0352 50.03.0352 50.03.0352 50.03.0352	ZTN 751 S ZTN 751 S	60 UJ 2 A PNP S1. 60 UJ 2 A PNP S1.	Fe. Fe. Fe. Fe. Fe. Fe.
	R1 R2 R3	57.11.4221 57.11.4221 57.11.4103	220 220 10 k	2%, 0207 , NF 2%, 0207 , MF 2%, 0207 , NF	
T U		57.11.4103 1) 87/05/11 CM			5-00 PAGE .
D.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R4	57.11.4102	1.0 k	2%, 0207 , MF	
	R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15	57.11.4102 57.11.4103 57.11.4103 57.11.4103 57.11.4102 57.11.4102 57.11.4102 57.11.4103 57.11.4102 57.11.4103 57.11.4103 57.11.4103	10 k 100 1.0 k	2X, 0207 , MF 2X, 0207 , MF	
	R16 R17 R18 R19 R20 R21	57.11.4101 57.11.4103 57.11.4103 57.11.4101 57.11.4102 57.11.4103 57.11.4101	100 k	2%. 0207 , HF 2%. 0207 , HF	
	S1 S2 S3 S4	55.15.0112	NK II NK II NK II	Nomentary pushbutton switch (see Nomentary pushbutton switch (see Nomentary pushbutton switch (see Nomentary pushbutton switch (see Nomentary pushbutton switch Nomentary pushbutton switch	e Note 1) MEK. e Note 1) MEK. e Note 1) MEK. e Note 1) MEK. EAO EAO EAO
	S5 S6 S7 S8 S9	55.15.0231 55.15.0231		Nomentary pushbutton switch Momentary pushbutton switch Momentary pushbutton switch Momentary pushbutton switch	EAO EAO
ru	S5 S6 S7 S8 S9 S10	55.15.0231 55.15.0231		Momentary pushbutton switch Momentary pushbutton switch	EAO EAO
	S5 S6 S7 S8 S9 S10	55.15.0231 55.15.0231 55.15.0231 55.15.0231	PUSHBUTTON	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / EQUIVALENT	EAO EAO 5-00 PAGE 2
	S5 S6 S7 S8 S9 S10	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231	PUSHBUTTON VALUE	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOULVALENT	EAO EAO
ex =Ce bon Pol met	S 5 S 6 S 7 S 8 S 9 S 10 DER (0: POS.NO. POS.NO. No (0:) - No Real Part Part Part Part Part Part Part Part	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. te 1 : Device m te 2 : Device m te 2 : Device m le 2 : Device	PUSHBUTTON VALUE Ounted on 53 whetallized: enter, FC=Po SAL-Solid	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / EQUIVALENT	EAO EAO 5-00 PAGE 2
ex =Ce bon Pol met	S5 S6 S9 S9 S9 S9 S9 PDER (0:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. Let 1: Device m Let 2: Device m Let 2: Device m Lettrolytic, MP Metallized Poly EAO = Elektro A	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2
ex =Ce bon Pol met	S 5 S 6 S 7 S 8 S 9 S 9 S 9 S 10 DER (0: POS.NO. No. (01)) No ramic, EL=E ALE, MPETP= ypropylene Ceramic Me CTURERS:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. te 1 : Device m te 2 : Device m te 2 : Device m te 1 : Device m te 1 : Letrolytic MP pS-Palystycol. July MF-Metal I red Poly MFS-Palystycol. Lat. MF-Metal F EAO = Elektro A	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2
ex =Ce bon Pol met	S 5 S 6 S 7 S 8 S 9 S 9 S 9 S 10 DER (0: POS.NO. No. (01) - No. Ramic, EL-EALE, MPETPE ypropylene - CTURENS:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. Lte 1: Device m Lte 2: Device m Lectrolytic MP PSP-Polystycol/ Lat. MF-MELatl MF-MELatl MF-MELATINE For For Lattle MEK = Mekanisk	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2
ex =Ce bon Pol met	S 5 S 6 S 7 S 8 S 9 S 9 S 9 S 10 DER (0: POS.NO. No. (01) - No. Ramic, EL-EALE, MPETPE ypropylene - CTURENS:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. Lte 1: Device m Lte 2: Device m Lectrolytic MP PSP-Polystycol/ Lat. MF-MELatl MF-MELatl MF-MELATINE For For Lattle MEK = Mekanisk	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2
ex =Ce bon Pol met	S 5 S 6 S 7 S 8 S 9 S 9 S 9 S 10 DER (0: POS.NO. No. (01) - No. Ramic, EL-EALE, MPETPE ypropylene - CTURENS:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. Lte 1: Device m Lte 2: Device m Lectrolytic MP PSP-Polystycol/ Lat. MF-MELatl MF-MELatl MF-MELATINE For For Lattle MEK = Mekanisk	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2
ex =Ce bon Pol met	S 5 S 6 S 7 S 8 S 9 S 9 S 9 S 10 DER (0: POS.NO. No. (01) - No. Ramic, EL-EALE, MPETPE ypropylene - CTURENS:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. Lte 1: Device m Lte 2: Device m Lectrolytic MP PSP-Polystycol/ Lat. MF-MELatl MF-MELatl MF-MELATINE For For Lattle MEK = Mekanisk	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2
ex =Ce bon Pol met	S 5 S 6 S 7 S 8 S 9 S 9 S 9 S 10 DER (0: POS.NO. No. (01) - No. Ramic, EL-EALE, MPETPE ypropylene - CTURENS:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. Lte 1: Device m Lte 2: Device m Lectrolytic MP PSP-Polystycol/ Lat. MF-MELatl MF-MELatl MF-MELATINE For For Lattle MEK = Mekanisk	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2
=Ce bon Pol	S 5 S 6 S 7 S 8 S 9 S 9 S 9 S 10 DER (0: POS.NO. No. (01) - No. Ramic, EL-EALE, MPETPE ypropylene - CTURENS:	55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 55.15.0231 1) 87/05/11 CM PART NO. PART NO. Lte 1: Device m Lte 2: Device m Lectrolytic MP PSP-Polystycol/ Lat. MF-MELatl MF-MELatl MF-MELATINE For For Lattle MEK = Mekanisk	PUSHBUTTON VALUE ounted on 53 *Metallized enter, PC=Po SAL-Solid A 11m.	Momentary pushbutton switch Momentary pushbutton switch BOARD PL 1.328.256 SPECIFICATIONS / FOUIVALENT .03.0218 pins. (4 / 2 pcs.) .99.0126	EAO EAO 5-00 PAGE 2

ORIG 87/05/11

S T U D E R (O1) 87/05/11 CM PUSHBUTTON BOARD

PL 1.32B.256-00 PAGE 3